

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY OIL & GAS OPERATIONS
RECEIVED

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒GAS
WELL ☐OTHER ☐SALT LAKE CITY, UTAH
SINGLE ZONE ☒ MULTIPLE ZONE ☐

2. NAME OF OPERATOR

Cities Service Company

3. ADDRESS OF OPERATOR

P.O. Box 1919 - Midland, Texas 79702

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

2550' FSL & 2300' FWL (NE SW)

At proposed prod. zone Same as above

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

13.3 miles Southwest of Escalante, Utah

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

2300'

16. NO. OF ACRES IN LEASE

1457.05

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

2611'

19. PROPOSED DEPTH

7000'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

80

20. ROTARY OR CABLE TOOLS:

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

7367.8' GR

22. APPROX. DATE WORK WILL START*

As soon as approved

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
20"	16"	65#	60'	3 yds of Redi-mix (Circulated)
12-1/4"	8-5/8"	24 & 32#	3050'	2450 sacks (Circulated)
7-7/8"	5-1/2"	14, 15.5 & 17#	7000'	700 sacks (TOC @ 2800')

It is proposed to drill this well to a T.D. of 7000' and test the Kaibab, Timpowep and White Rim Formations. The proposed blowout prevention program is as follows:

1. One set of blind rams
2. One set of drill pipe rams
3. One Hydril
4. One rotating head

The acreage assigned to this well is not dedicated to any gas purchaser.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

Elmer W. Stutz

TITLE Region Opr. Mgr. - Prod.

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

E. W. Guynn

APPROVED BY

TITLE

District Oil & Gas Supervisor

CONDITIONS OF APPROVAL, IF ANY:

DATE: 10-18-62
BY: *[Signature]*APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

CONDITIONS OF APPROVAL ATTACHED

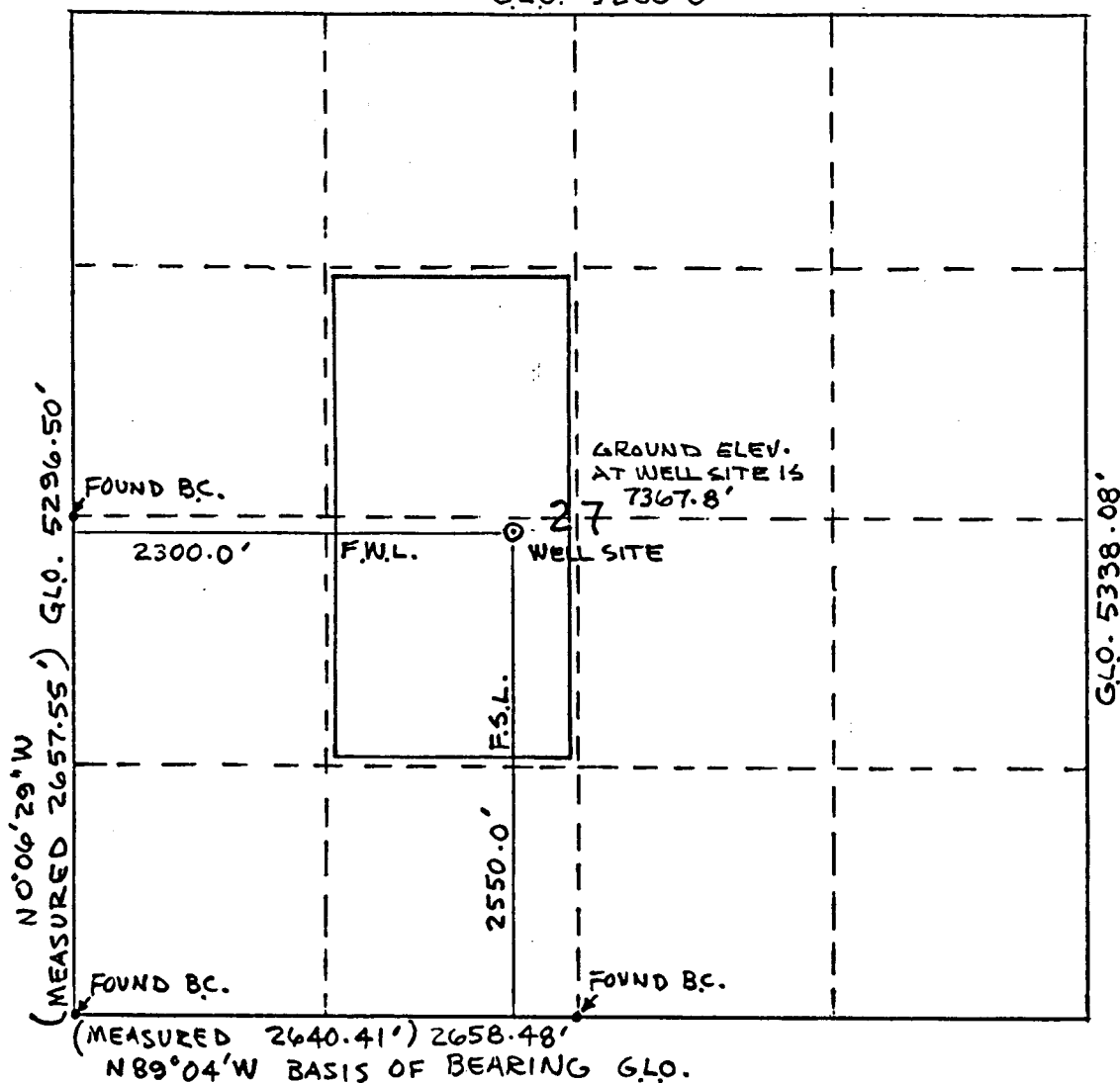
NOTICE OF APPROVAL

*See Instructions On Reverse Side

FLARING OR VENTING OF
GAS IS SUBJECT TO NTL 4-A
DATED 1/1/80*operator*

SECTION 27 T35S R1E , SLB&M

G.L.O. 5280.0"



ALLENS ENGINEERING OF RICHFIELD, UTAH
 Has in accordance with a request from
 for CITIES SERVICE COMPANY OF MIDLAND, TEXAS
 determined the location of Federal A #2
 to be 2300' F.W.L. and 2550' F.S.L. of Section 27
 Township 35 So. Range 1 East of Salt Lake Base and
 Meridian Garfield County, Utah.

I hereby certify that this plat is an
 accurate Representation of a correct
 survey showing the location of
 CITIES SERVICE CO. Federal A #2

Date

8/17/82

 State of Utah Licensed Land Surveyor No. 3263
Russell Butler

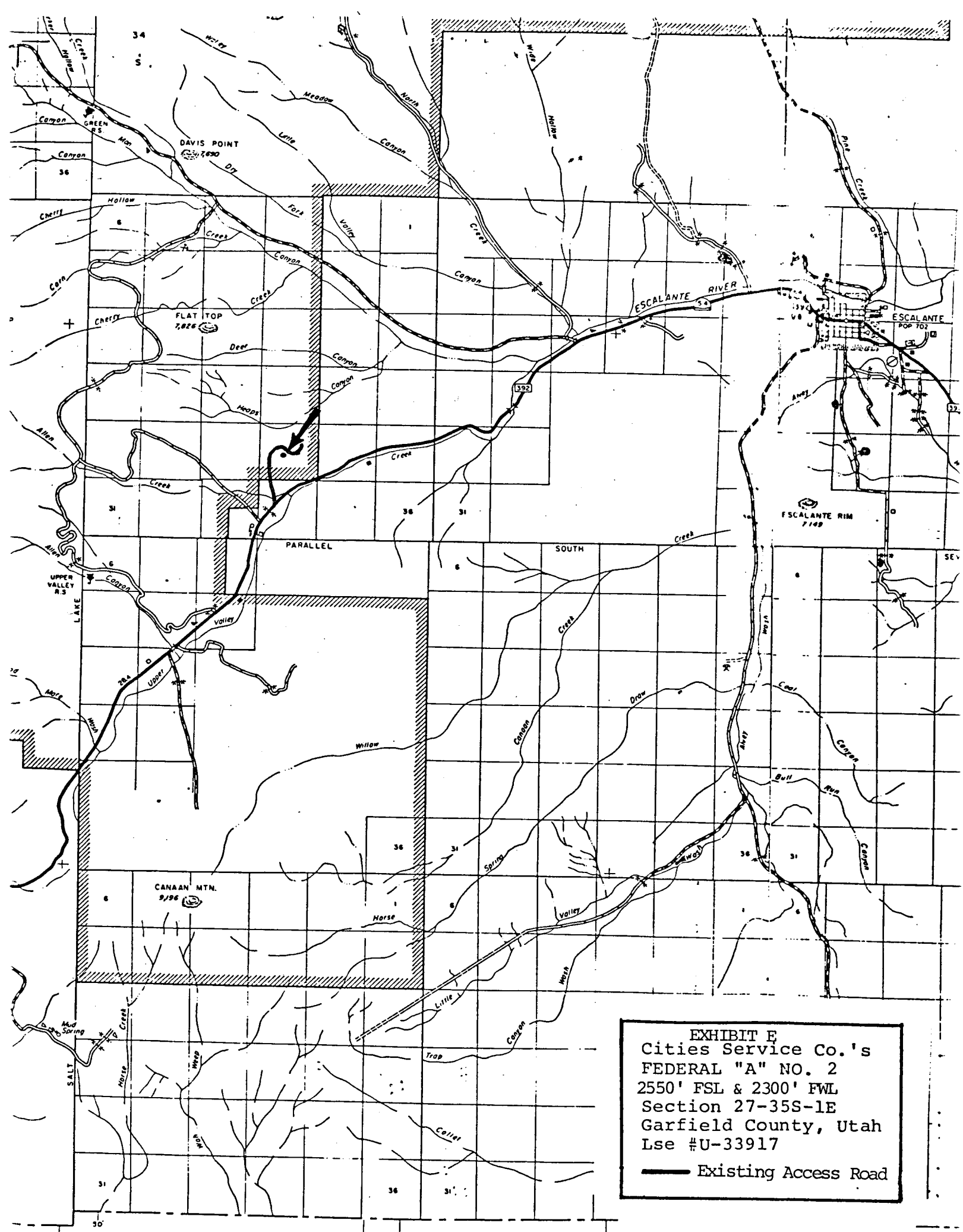


EXHIBIT E
Cities Service Co.'s
FEDERAL "A" NO. 2
2550' FSL & 2300' FWL
Section 27-35S-1E
Garfield County, Utah
Lse #U-33917
— Existing Access Road

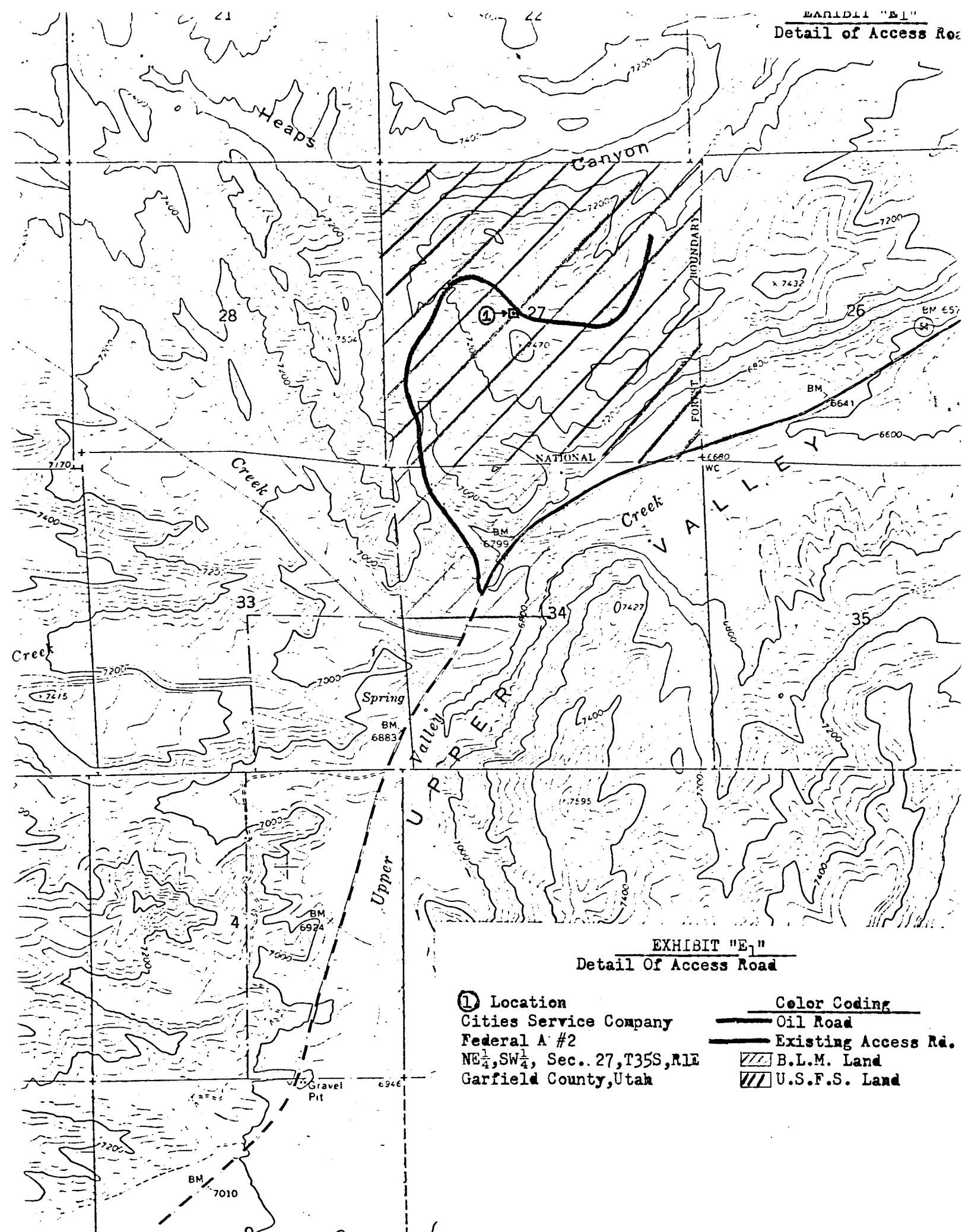


EXHIBIT "E1"
Detail Of Access Road

① Location
Cities Service Company
Federal A #2
NE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 27, T35S, R1E
Garfield County, Utah

Color Coding
— Oil Road
— Existing Access Rd.
/// B.L.M. Land
/// U.S.F.S. Land

EXHIBIT "F"
Radius Map of Field

TWO MILE RADIUS

NAT'L

BIRCH

CR.

Cities Service
Federal A #1

DIXIE

Cities Service
Federal A #2

CR.

VALLEY

CALIF.
1
7185'DF
10,120'

UPPER

183

198

184

LEGEND

- | | |
|-----------------------|----------------------------|
| ○ LOCATION | ★ OIL & GAS WELL |
| ✧ DRY HOLE | ★ ABANDONED OIL & GAS WELL |
| ● OIL WELL | ★ GAS WELL |
| ◆ ABANDONED OIL WELL | ★ ABANDONED GAS WELL |
| △ TRIANGULATION POINT | □ WATER WELL |

WILLOW

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYMINERAL SERVICE
OIL & GAS OPERATIONS
RECEIVED
AUG 18 1982

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ZONE ☒MULTIPLE
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24.

SIGNED

E. W. Guynn

TITLE Region Opr. Mgr. - Prod.

DATE August 23, 1982

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

E. W. Guynn

District Oil & Gas Supervisor

SEP 27 1982

APPROVED BY

W. J. Martin

CONDITIONS OF APPROVAL, IF ANY:

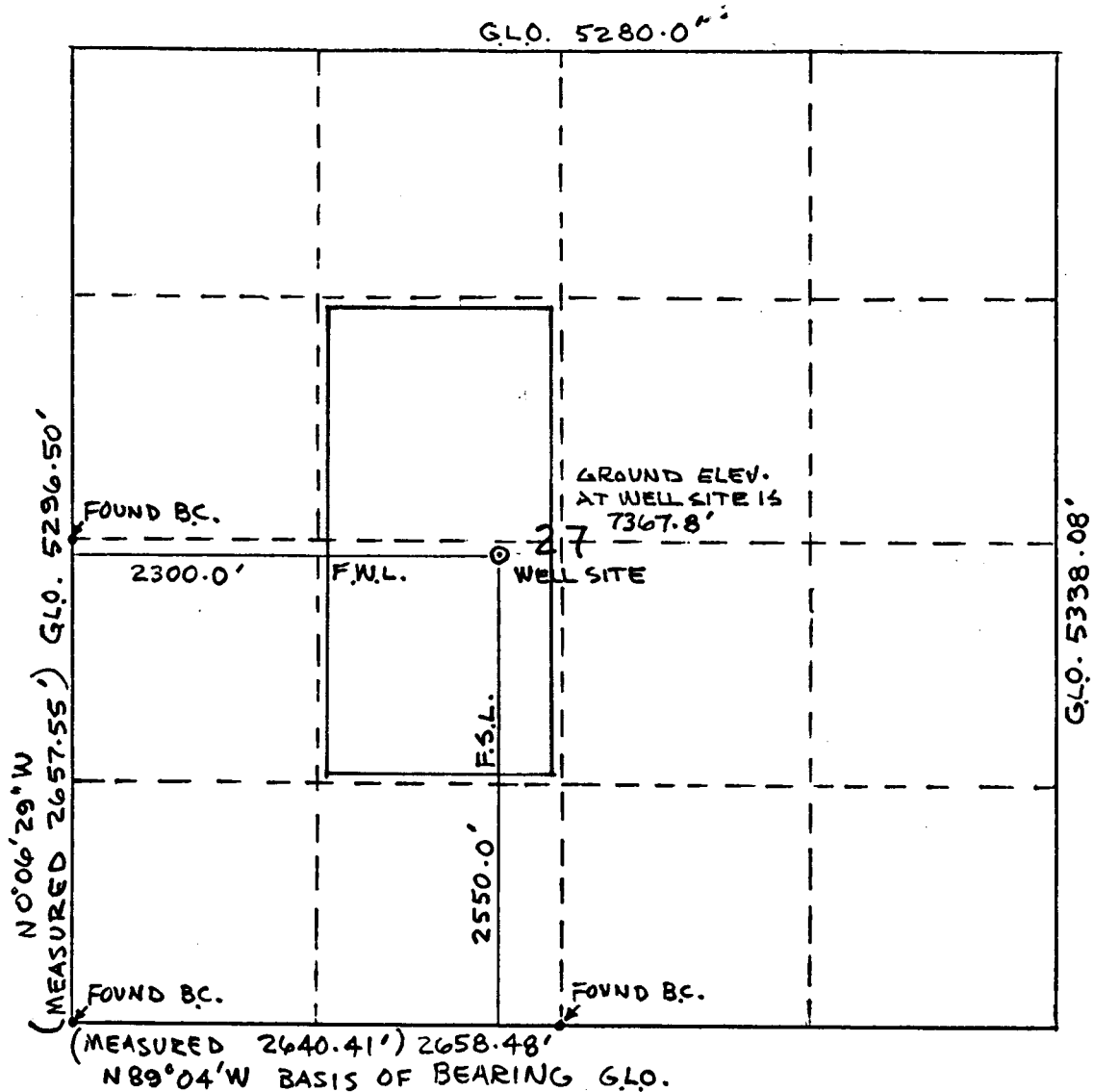
CONDITIONS OF APPROVAL ATTACHED
TO OPERATOR'S COPY

NOTICE OF APPROVAL

*See Instructions On Reverse Side

FLARING OR VENTING OF
GAS IS SUBJECT TO NTL 4th
DATED 1/1/80*State R & G*

SECTION 27 T35S R1E , SLB&M



ALLENS ENGINEERING OF RICHFIELD, UTAH
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to be 2300' F.W.L. and 2550' F.S.L. of Section 27
Township 35 So. Range 1 East of Salt Lake Base and
Meridian Garfield County, Utah.

I hereby certify that this plat is an
accurate Representation of a correct
survey showing the location of
CITIES SERVICE CO. Federal A #2

Date 8/17/82

Rowan M. Butler
State of Utah Licensed Land Surveyor No. 3263

Cities Service Company
Well No. A-2
Section 27, T.35S., R.1E.
Garfield County, Utah
Lease U-33917

Supplemental Stipulations

- 1) Construction and rehabilitation of the wellsite will be coordinated with the U. S. Forest Service.
- 2) The Northwest corner of the pad will be rounded off to minimize the large fill in that area.
- 3) The trash burning pit will be located on the South side of the pad in cut material.
- 4) Topsoil and cleared material will be located off the Northwest side of the pad below the berm.
- 5) The access road may be closed to the Public to limit access to the region.
- 6) The operator will be responsible for the disposal of all litter and foreign matter brought into the area.
- 7) Any permanent production equipment will be painted a color to blend in with the surroundings.
- 8) Adequate and sufficient electric/radioactives logs will be run to locate and identify anticipated coal beds in the Straight Cliffs formation. Please also provide two copies of drilling logs. Casing and cementing programs will be adjusted to eliminate any potential influence of the well bore or productive hydrocarbon zones on the coal resource. Surface casing program may require adjustment for protection of fresh water aquifers.

ADDITIONAL STIPULATIONS FOR PRODUCTION FACILITIES

Your Application for Permit to Drill also included a submittal for production facilities. These production facilities are approved for the lessee and his designated operator under Section 1 of the Oil and Gas Lease with the following conditions:

- (1) The oil and gas measurement facilities must be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy are to be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. Please provide this office with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports are to be submitted to the Salt Lake City District Oil and Gas Supervisor. Royalty payments will be made on all production volume as determined by the meter measurements or the tank measurements. All measurement facilities must conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.
- (2) Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried from the wellhead to the meter and 500 feet downstream of the meter run or any production facilities. Meter runs must be housed and/or fenced.
- (3) All disturbed areas not required for operations will be rehabilitated.
- (4) All produced liquids must be contained including the dehydrator vent/condensate line effluent. All production pits must be fenced.
- (5) The well activity, the well status and the date the well is placed on production must be reported on Lessee's Monthly Report of Operations, Form 9-329.
- (6) All off-lease storage, off-lease measurement, or commingling on lease or off-lease must have written approval.
- (7) All product lines entering and leaving hydrocarbon storage tanks must be locked/sealed.
- (8) You are reminded of the requirements for handling, storing, or disposing of water produced from oil and gas wells under NTL-2B.
- (9) All materials, trash, junk, debris, etc. not required for production must be removed from the well site and production facility site at the completion of these operations.
- (10) A copy of the Gas Sales Contract will be provided to this office and the Royalty Accounting Department as directed.
- (11) Construction and maintenance for surface use approved under this plan should be in accordance with the surface use standards as set forth in the BLM/GS Oil and Gas Brochure entitled, "Surface Operating Standards for Oil and Gas Exploration and Development." This includes, but is not limited to, such items as road construction and maintenance, handling of top soil and rehabilitation.
- (12) "Sundry Notice and Reports on Wells" (form 9-331) will be filed for all changes of plans and other operations in accordance with 30 CFR 221.58. Emergency approval may be obtained verbally, but such approval does not waive the written report requirement. Any additional construction, reconstruction, or alternations of facilities, including roads, gathering lines, batteries, measurement facilities, etc., will require the filing of a suitable plan and prior approval by the survey.

FROM : DISTRICT GEOLOGIST, Mth SALT LAKE CITY, UTAH

TO : DISTRICT ENGINEER, O&G, SALT LAKE CITY, UTAH

SUBJECT: APD MINERAL EVALUATION REPORT

LEASE NO. U 33917

OPERATOR: CITIES SERVICE CO.

WELL NO. 1

LOCATION: SW 1/4 NE 1/4 sec. 27, T. 35 S, R. 1 E, SLM

GARFIELD County, UTAH

1. Stratigraphy:

STRAIGHT CLIFFS Fm

JOHN HENRY MEMBER 0'
Smoky Hollow MEMBER 100'
TIBBET CANYON MEMBER 400'
TROPIC SHALE 500'
Dakota SANDSTONE 1150'

ENTRADA SS 1566'
NAVAJO SS 3082'
KAYENTA Fm 4619'
WINGATE SS 4938'
CHINLE Fm 5159'
MOENKOPI Fm 5702'
Timpoweap Mem. 6484'
KAIBAB L.S. 6576'

WHITE RIM SS 671'
TOROWEAP Fm 688'
CEDAR MESA Fm 742'
ELEPHANT CANYON Fm 830'
HERMOSA GP 870'
MOLAS Fm 9115'
REOWALL L.S. 9186'
TD 10,000'

2. Fresh Water:

FRESH OR USEABLE WATER MAY BE FOUND IN THE STRAIGHT CLIFFS Fm (0-500'). USEABLE WATER MAY BE FOUND AS DEEP AS THE ENTRADA SS (1566').

3. Leasable Minerals:

OIL OR GAS IN : Timpoweap Mem, MOENKOPI Fm 6484',
KAIBAB LS 6576',
REOWALL LS 9186'

COAL IN Smoky Hollow MEMBER, STRAIGHT CLIFFS Fm 100'-400'

4. Additional Logs Needed:

GR-FDC LOG FOR POSSIBLE COAL ZONES IN Smoky Hollow MEMBER, STRAIGHT CLIFFS Fm; BEHIND SURFACE CASING.

5. Potential Geologic Hazards:

NONE ANTICIPATED

6. References and Remarks: WRD REPORT, T 35 S R 1 E S 34 Upper Vally # 37
UGMS COAL MONOGRAPH ; OUELLING
USGS COAL RESOURCE MAP # C60

Signature: Kenneth J. Selt Date: 6 - MAY - 1980



MINERALS MANAGEMENT
SERVICE
OIL & GAS OPERATIONS
RECEIVED

CITIES SERVICE COMPANY
ENERGY RESOURCES GROUP

Box 1919

Midland, Texas 79702
(915) 685-5600

AUG 26 1982

SALT LAKE CITY, UTAH

August 23, 1982

United States Department of the Interior
Minerals Management Service
Mr. E. W. Gynn, District Oil & Gas Engineer
Branch of Oil and Gas
2000 Administration Building
1745 West, 1700 South
Salt Lake City, Utah 84104

Re: NTL-6 Request for Approval of Operations
Application for Permit to Drill
Cities Service Company
Federal A No. 2
Garfield County, Utah
Lease #U-33917

Dear Sir:

Cities Service Company is the Designated Operator of U.S. Oil and Gas Lease #U-33917 and proposes to drill a well on the leased premises to test for oil and gas at a location 2550' FSL, 2300' FWL, Section 27-T35S-R1E, Salt Lake Base and Meridian, Garfield, County, State of Utah.

The location and work area have been staked. No access road is required. It is approximately nine (9) miles due west of Escalante, Utah, within the confines of the Dixie National Forest.

In accordance with the requirements stated in NTL-6 of the National Environmental Policy Act, our Application for Permit to Drill and supporting evidence is hereby submitted:

1. Form 9-331C, Application for Permit to Drill.
2. Location, elevation and acreage dedication plat certified by Rowan M. Butler, State of Utah Licensed Land Surveyor No. 3263, dated August 17, 1982. Exhibit "A" attached.
3. The elevation of the unprepared ground is 7367.8 feet above sea level.
4. Basically, the geologic surface formation is the Straight Cliffs Sandstone formation in the Cretaceous.

MINERAL MANAGEMENT
SERVICE
OIL & GAS OPERATIONS
RECEIVED

AUG 26 1982

SALT LAKE CITY, UTAH

5. Estimated tops of important geologic markers:

Navajo	3068'
Kayenta	4698'
Wingate	5048'
Chinle	5303'
Shinarump	5714'
Moenkopi	5852'
Timpoweap	6630'
Kaibab	6803'
White Rim	6899'
Toroweap	7089'
Total Depth	7000'

6. Estimated depths of anticipated water, oil/gas or minerals:

Timpoweap	6630'	Oil/Gas
Kaibab	6803'	Oil/Gas
White Rim	6899'	Oil/Gas

No surface water is anticipated.

7. The proposed casing program is as follows:

Casing String	Hole Size	Interval	Section Length	Size (OD)	Weight, Grade & Joint	New or Used
Conductor	20"	0-60	60	16"	65#-H40-ST&C	New
Surface	14-3/4"	0-1900	1900	8-5/8"	24# K55-ST&C	New
	14-3/4"	1900-3050	1150	8-5/8"	32#-K55-ST&C	New
Production	7-7/8"	0-5100	5100	5-1/2"	14#-K55-ST&C	New
	7-7/8"	5100-6700	1600	5-1/2"	15.5#-K55-ST&C	New
	7-7/8"	6700-7000	300	5-1/2"	17#-K55-ST&C	New

2500' of 2-1/16" 3.25# J55 parasite tubing will be attached to outside of 8-5/8" casing for mud aeration. Inlet to 8-5/8" casing will be at 2500'. This parasite string will be cemented in place during the course of cementing the 8-5/8" surface casing.

8. Cement Program

Conductor (16") - Cement to surface with ready mixed cement.

Surface (8-5/8") - Cement with 2250 sacks Halliburton Lite w/1/4# Flo-
cele, 5# Gilsonite, 3# Salt and 2% CaCl₂, followed by 200 sacks Class B
w/1/4# Flocele and 1.3# Salt/sack. If cement does not circulate, run
temperature survey then finish cementing to surface through 1" in annu-
lus, using Class H with 2-4% CaCl₂ in stages.

Page 3

8. Cement Program - Continued

Production (5-1/2") - Cement with 400 sacks Halliburton Lite Thick Set with 6# Gilsonite and 1/4# Flocele per sack followed by 300 sacks Class B Thick Set with 6# Gilsonite and 1/4# Flocele per sack.

9. Minimum Specifications for Pressure Control

Pressure control equipment will consist of 10", 3000# ram type preventor with one set blind rams and one set pipe rams; 12", 1500# annular type preventor and rotating head, including 3000# choke manifold and 80 gallon accumulator with floor and remote operating stations and auxilliary power system.

An upper and lower kelly cock will be installed and maintained in operable condition and a drill string safety valve and drill string BOP in the open position will be available on the rig floor.

After setting the 8-5/8" surface casing, the blowout preventors and related control equipment shall be pressure tested to rated working pressures by an independent testing company. The Minerals Measurement Service will be notified in sufficient time to witness the tests and will be furnished a copy of the pressure test report.

Pipe rams will be operationally checked each 24 hour period, as will blind rams and annular preventor each time pipe is out of the hole. Such checks of BOP's will be noted on the daily drilling reports.

Accumulator shall maintain a pressure capacity reserve at all times to provide for repeated operation of hydraulic preventors.

A mud/gas separator will be installed and be operable after setting the 8-5/8" surface casing, in order to separate air that will be introduced through the parasite string into the mud system.

10. Mud Program

Mud system will be gel-chemical with adequate stocks of sorptive agents on site to handle possible spills of fuel and oil on the surface. Weighting material will be on location to be added to the system if BHP dictates.

0' - 3050'

Spud mud. Gel flocculated with lime. Treat with coarse fibrous LCM.

3050' - 7000'

Fresh water lignosulphonate system. 8.5 - 9.0#/gallon weight and 35 - 45 viscosity. PH will be controlled with caustic soda. Coarse fibrous LCM and injection of air via a parasite string on the 8-5/8" surface casing to lighten upper hole mud weight will be utilized for loss of circulation problems.

Page 4

10. Mud Program - Continued

Mud system monitoring equipment with derrick floor indicators and visual and audio alarms shall be installed and operative before drilling below the 8-5/8" surface casing, and, shall be used until production casing is run and cemented. Monitoring equipment shall consist of the following:

- A. A recording pit level indicator to determine pit volume gains and losses.
- B. A pit volume totalizer for accurately determining mud volumes necessary to fill the hole on trips.
- C. A floline sensor to warn of any abnormal mud returns from the well.

11. Testing, Logging and Coring Program

- A. No drill stem tests are planned.
- B. The logging program will consist of the following Schlumberger logs: FDC/CNL-GR-Cal, DIL, BHC Sonic-GR-Cal and Dipmeter. Other logs may be selected at well site to better evaluate any shows.
- C. No coring is anticipated.
- D. Mud logging unit (2 man) from 4000' to TD 7000'.
- E. Completion procedures will be to stimulate Dolomite & Limestone formations with HCl acid. Stimulate Sandstone formations with a frac of gelled water and sand.

12. Anticipated Abnormal Pressures and Temperatures

No abnormal pressures or temperatures have been noted or reported in wells drilled in the area nor at the depths anticipated in this well. In fact, the major problem in the area is from under-pressured zones and resultant in loss of circulation.

No hydrogen sulfide or other hazardous gasses or fluids have been found, reported or known to exist in the area.

13. Anticipated Starting Date and Duration of Operations

The anticipated starting date will be as soon as possible after examination and approval of drilling requirements by the Minerals Management Service and U.S. Forest Service. Rotary drilling equipment will be utilized to drill the well to TD 7000' and run casing. This equipment will then be rigged down and the well completed with a pulling unit. Operations should be completed within 40 days after spudding the well and drilling to casing point.

Page 4

14. Multi-Point Requirements to Accompany Application for Permit to Drill

The multi-point surface use and operation plan for submission to the appropriate surface management agency is attached.

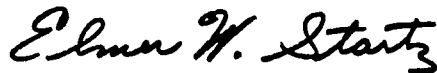
The surface management agency contact is:

United States Forest Service
c/o Millard A. Dumas
Box 246
Escalante, Utah 84726

Office Phone: 801/826-4421

15. If the District Engineer needs additional information to evaluate the request, please advise.

Yours very truly,

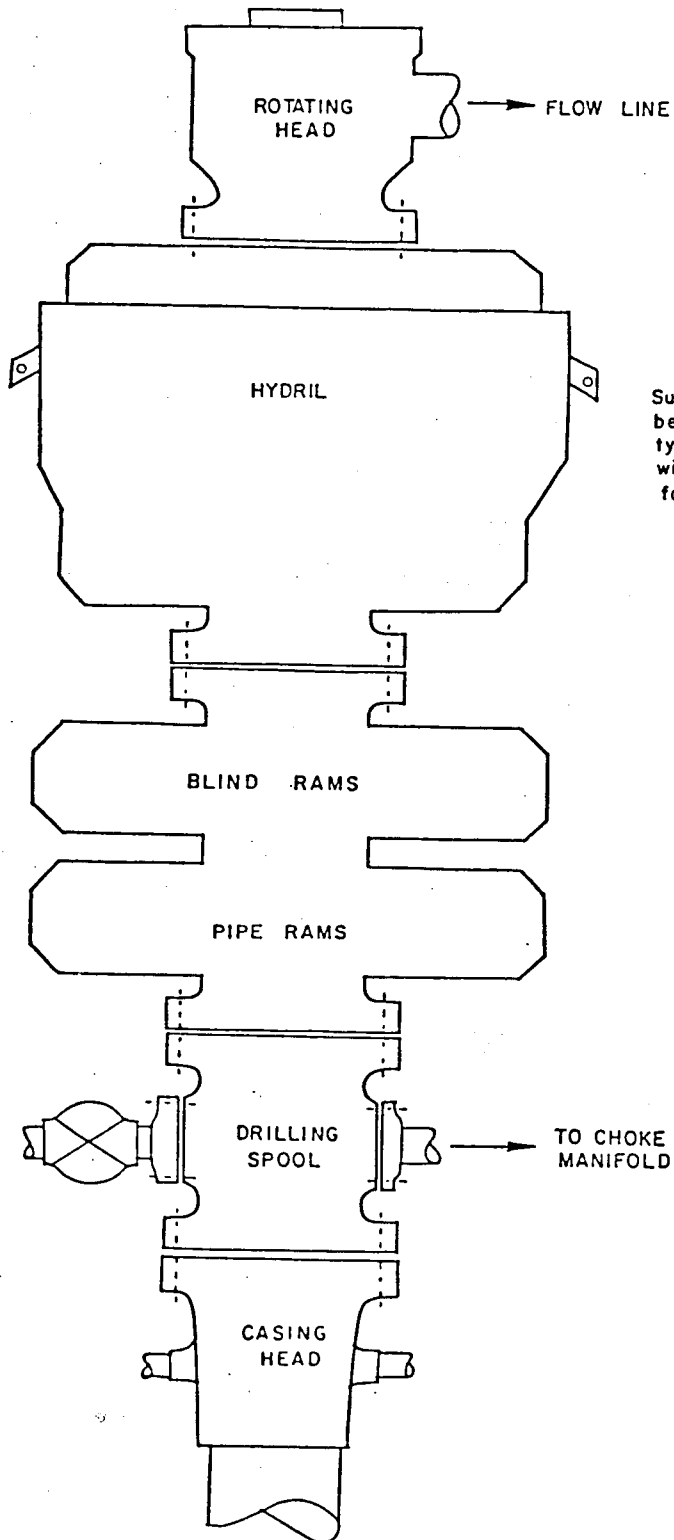


Elmer W. Startz
Region Operations Manager
Southwest Region
E & P Division

EWS/dty

Attachments

BLOWOUT PREVENTER DIAGRAM

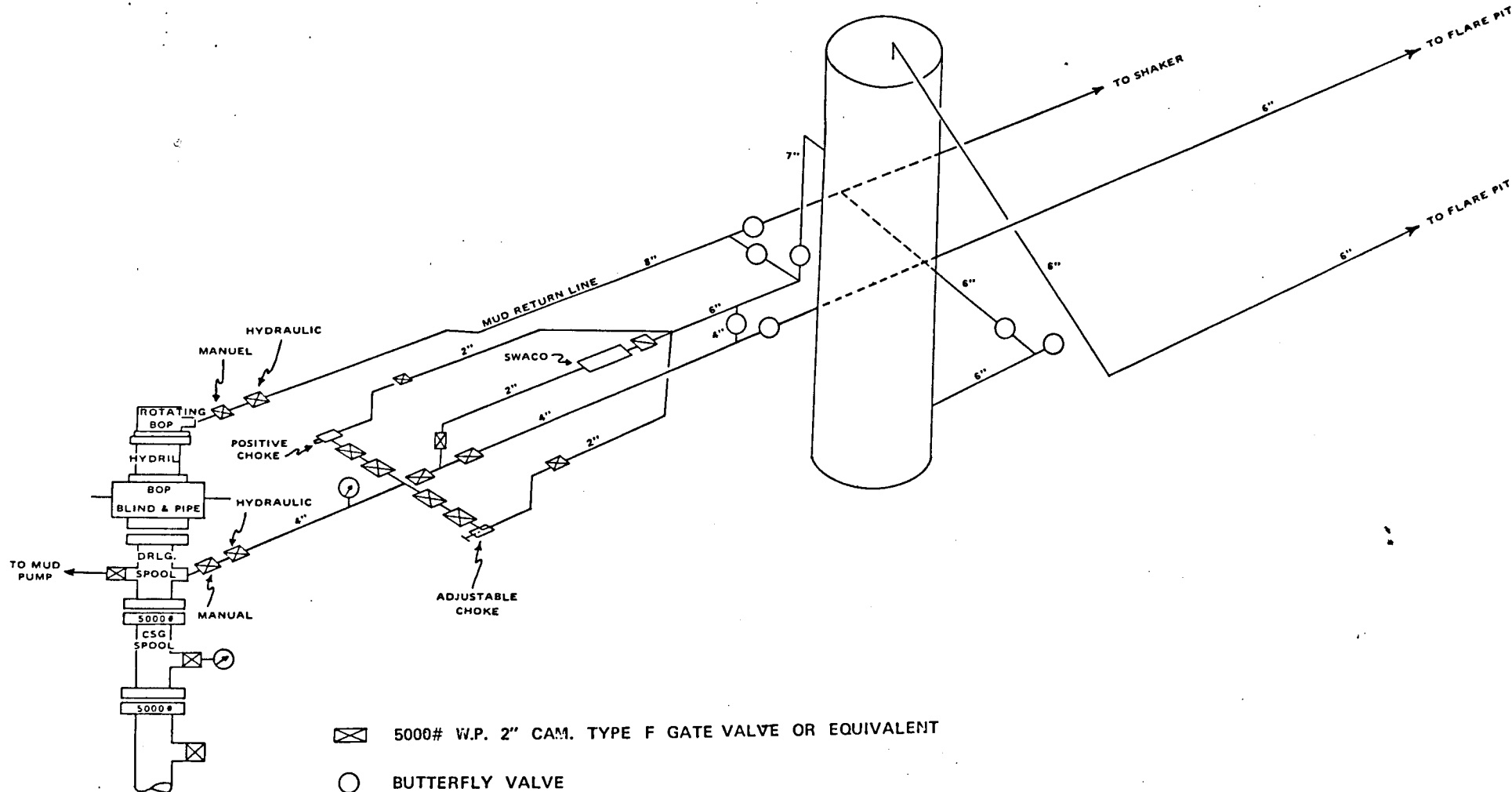


CLOSING METHOD

Sufficient accumulator volume shall be available to operate both the bag type preventer and pipe ram preventer with a snap-action through the following steps: close-open-close.

Cities Service Co's
Federal "A" No. 2
2550' FSL & 2300' FWL
Section - T.35S. - R.1E.
Garfield County, Utah
Lease # U-33917

CITIES SERVICE OIL COMPANY



5000# W.P. 2" CAM. TYPE F GATE VALVE OR EQUIVALENT

BUTTERFLY VALVE

Cities Service Company's
Federal A No. 2
2550' FSL & 2300' FWL
Section 27-T35S-R1E
Garfield County, Utah
Lease #U-33917

MULTI-POINT SURFACE USE AND OPERATIONS PLAN

MINERALS MANAGEMENT
SERVICE
OIL & GAS OPERATIONS
RECEIVED

Cities Service Company
Well No. 2 Federal "A"
2550' FSL and 2300' FWL Section 27-T35S-R1E
Garfield County, Utah
Lease #U-33917

AUG 26 1982
SALT LAKE CITY, UTAH

This plan is submitted with the Application for Permit to Drill the captioned well. Its purpose is to identify the location of the proposed well, the proposed construction activities and operations plan, the magnitude of necessary surface disturbance and the procedures to be followed in rehabilitating the surface after completion of the operation so that a complete appraisal may be made of the impact of the operation upon other resources.

The well has been staked by a registered Utah land surveyor and the work area is staked and flagged. Mr. Larry Davis, with the Utah State Parks and Recreation Department, has been engaged to make an Archaeological Reconnaissance of the work area. His findings concerning cultural resources will be reported to the United States Forest Service, Escalante Ranger District.

1. Existing Roads

- A. The proposed well site and elevation plat is shown as Exhibit "A".
- B. The distance from Escalante, Utah is nine (9) miles as the crow flies, but somewhat further by road. Proceed southwest 11.1 miles on Highway #54, thence north and northeast approximately one (1) mile on an existing access road to the location. These roads are shown on Exhibit "E" and "E₁".
- C. All roads to the location are color coded on Exhibits "E" and "E₁".
- D. This is an exploratory well. All existing roads within a 3 mile radius are shown on Exhibit "E".
- E. The existing roads need no improvement.

2. Planned Access Roads

No access road construction will be required for this well. The existing road built in 1980 by Cities Service Company will cross the new drill site along the east side. Improvement of this road will not be required.

This road is shown on Exhibit "E".

3. Location of Existing Wells

Exhibit "E₃" shows existing wells within a 2 mile radius of the exploratory well.

- A. There are no water wells within a two mile radius of this location.
- B. There is one well, Cities Service Company's Federal A No. 1, currently temporarily abandoned in this two mile radius.
- C. There is one abandoned well in this two mile radius.
- D. There are no disposal wells.
- E. There are no wells presently being drilled.
- F. There are no producing wells within this two mile radius.
- G. There are no shut-in wells.
- H. There are no injection wells.
- I. There are no monitoring or observation wells for other uses.

4. Location of Existing and/or Proposed Facilities

- A. Within a one mile radius of location, the following existing facilities are owned or controlled by Cities Service Company or other lessee/operators.
 - 1. Tank batteries: None
 - 2. Production facilities: None
 - 3. Oil gathering lines: None
 - 4. Gas gathering lines: None
 - 5. Injection lines: None
 - 6. Disposal lines: None
- B. If the well is productive, new facilities will be as follows:
 - 1. Production facilities will be located on drill pad, as shown on Exhibit "I".
 - 2. All well flow lines will be buried and will be on the drill pad site.

Page 3

4. Location of Existing and/or Proposed Facilities - Continued

3. Production facilities will be 250' long and 200' wide. Unused areas of the drill pad not required for production facilities will be rehabilitated.
 4. All construction materials for battery site and pad will be obtained from site. No additional material from outside sources is anticipated.
 5. Any necessary pits will be fenced and flagged to protect livestock and wildlife.
- C. Rehabilitation, whether well is dry or productive, will be made on all unused areas in accordance with U.S. Forest Service stipulation.

5. Location and Type of Water Supply

- A. The source of water will be from Allen Creek and/or Upper Valley Creek. Lyman Construction Company, the contractor, will obtain permission to use this water prior to starting construction.
- B. Water will be transported by truck over existing roads.
- C. No water well is to be drilled on this lease.

6. Construction Materials

- A. No construction materials are needed for the drilling site pad. The surface soil materials will be sufficient.
- B. If any additional surfacing material is needed if well is productive, it will be furnished by Lyman Construction Company.

7. Handling of Waste Materials and Disposal

- A. Drill cuttings will be buried in the reserve pit.
- B. Drilling fluids will be handled in the reserve pit.
- C. Any fluids produced during drilling test or while making production test will be collected in a test tank. While drilling, if a test tank is not practicable, fluids will be handled in reserve pit. Any spills of oil, gas, salt water or other noxious fluids will be cleaned up and removed. If well is productive, produced water will be disposed of on-site for 30 days only, or 90 days with the permission of the District Engineer. In the meantime, application will have been made for approval of a permanent disposal method in compliance with NTL-2b.

7. Handling of Waste Materials and Disposal - Continued

- D. Chemical toilet facilities will be provided for human waste.
- E. Garbage and non-flammable waste and salts and other chemicals produced during drilling or testing will be handled in trash pit. Drill fluids, water, drilling mud and tailings will be collected in reserve pit, as shown on Exhibit "H". The trash pit will be totally enclosed with small mesh wire to prevent wind scattering trash before being removed. Reserve pit will be fenced on three sides during drilling and the fourth side fenced upon removal of rig.
- F. After the rig moves out, all materials will be cleaned up and no adverse materials will be left on location. All dangerous open pits will be fenced during drilling and kept closed until such time as the pit is levelled.

8. Ancillary Facilities

No air strip, camp or other facilities will be built during drilling of this well.

9. Well Site Layout

- A. Exhibit "G" is the Drill Pad Layout as staked with elevations by Allen's Engineering of Richfield, Utah. Cuts and fills have been drafted to visualize the planned cut and fill cross section across the location site to the deepest part of the pad. Top soil will be stockpiled per U.S. Forest Service specifications, determined at time of pre-drill inspection.
- B. Exhibit "H" is a plan diagram of the drilling rig equipment, reserve pit, trash pit, pipe racks & mud tanks. No permanent living facilities will be erected. There will be temporary house trailers on location.
- C. Exhibit "I" is a plan diagram of the proposed production facilities layout.

10. Plans for Restoration

- A. If well is abandoned, site will be restored to original condition as nearly as possible. Backfilling, levelling and contouring are planned as soon as all pits have dried. Waste disposal and spoils material will be buried or hauled away immediately to an approved sanitary land fill after drilling is complete. If production is obtained, the unused area will be restored as soon as possible.
- B. The soil banked material will be spread over the area. All fill and cut slopes flat enough to revegetate will be seeded to prevent erosion. Seeding will be completed before the ground surfaces to be seeded crust over.

10. Plans for Restoration - Continued

- B. Stabilization of cut and fill slopes will be accomplished as quickly as possible. All exposed slopes and disturbed areas will be broadcast seeded by formula provided by the U.S. Forest Service.

Trees removed as a result of the construction will be chipped and blown on the seeded slopes where practicable as a mulch preparation. Trees not chipped will have the limbs lopped on three sides to a four (4) inch tip with the top being severed at that point.

- C. Three sides of the Reserve pit will be fenced during drilling operations. Prior to rig release, the reserve pit will be fenced on the fourth side to prevent livestock or wildlife from entering; and, the fencing will be maintained until levelling and cleanup is accomplished.
- D. If any oil is on the pits and is not immediately removed after operations cease, the pit containing the oil or other adverse substances will be flagged overhead and covered with wire mesh.
- E. The rehabilitation operations will begin immediately after the drilling rig is removed. Removal of oil or other adverse substances will begin immediately, or the area will be flagged and fenced. Other cleanup will be done as needed. Planting and revegetation is considered best in the fall of the year, unless otherwise requested by the U.S. Forest Service.

11. Other Information

- A. The area is covered with pinyon-juniper, Ponderosa pine, rice grass, cheat grass and buckwheat. There are deer mouse, kangaroo rat, coyote, cottontail rabbit, mule deer, pinyon jays, Clark's nutcrackers, ravens and robins in the area.

The area involved is included in the Land Systems Inventory of the Escalante Ranger District. Basically, the geology is dominated by The Straight Cliffs Sandstone formation. Massive cliff forming Sandstone is the dominant component of this formation. However, also included are argillaceous, calcareous, gypsiferous, arenaceous and carbonaceous shales. Beds of conglomerate and limestone are also present.

- B. The drilling location is on U.S. Forest Service administered lands, as shown on Exhibit "E". No road construction will be required because the existing road will be utilized.

Page 6

11. Other Information - Continued

- C. The primary surface use is for grazing, recreations, logging and intermittent coal mining. The location is on surface owned by the U.S. Government.
- D. The closest live water is Upper Valley Creek, south of the location as shown on Exhibits "E" and "E₁".
- E. The closest occupied dwellings are in Escalante, eleven (11) miles east, as shown on Exhibit "E".

12. Addendum

To be submitted at a later date as integral parts of the "Multi-Point Surface Use and Operations Plan" are three reports pertinent to Cities Service's proposal. They are:

- A. Special Use and Minerals Report by U.S. Forest Service.
- B. Soil Report by U.S. Forest Service.
- C. Archaeological Survey by Larry Davis, Archaeologist.

13. Lessee's or Operator's Representative

The field representatives responsible for assuring compliance with the approved surface use and operations plan are:

Elmer W. Startz
Region Operations Manager
P.O. Box 1919
Midland, Texas 79702

Office Phone: 915/685-5600

Lincoln Lyman
145 North Center
Escalante, Utah 84726

Office Phone: 801/826-4229

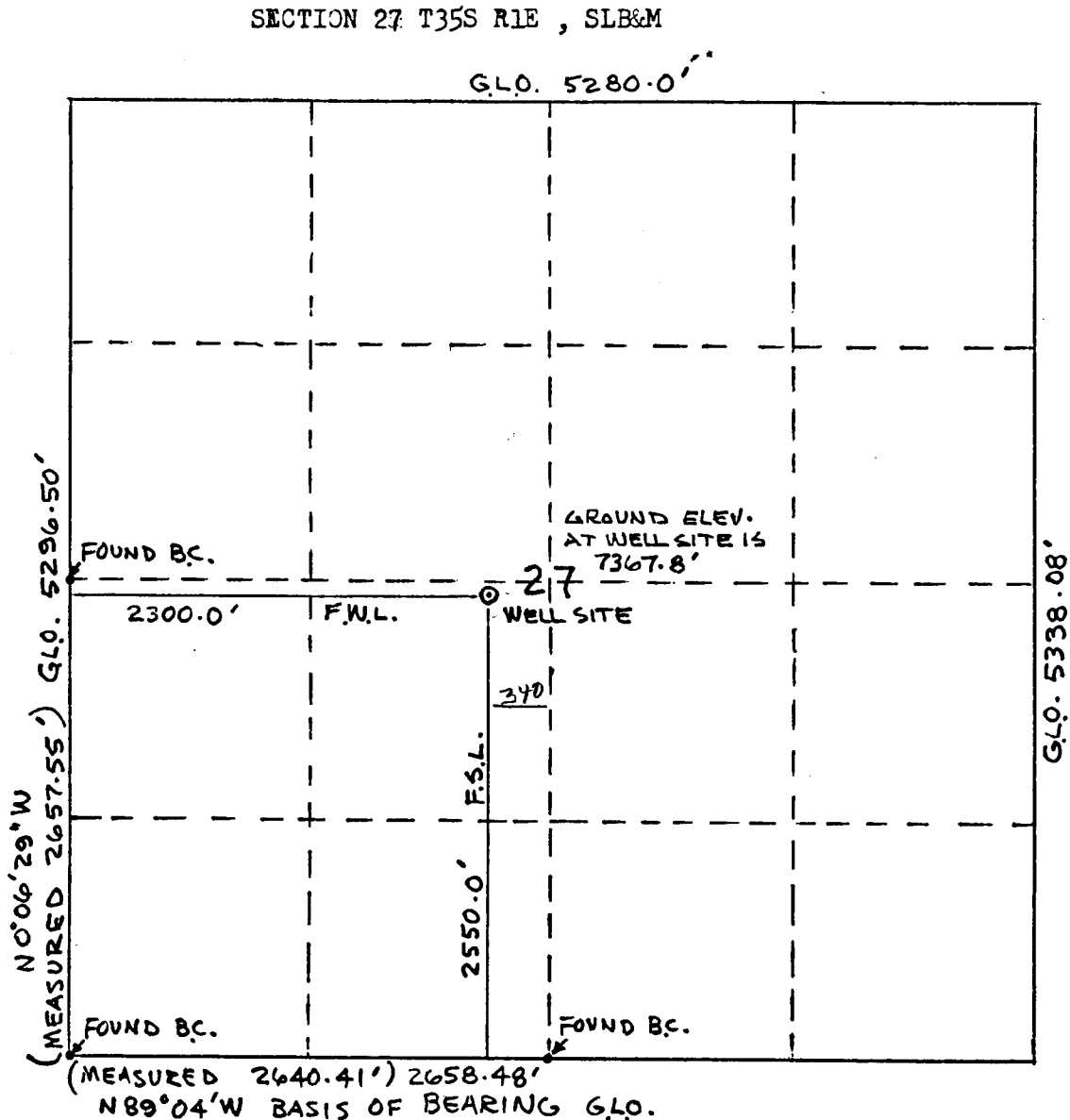
Page 7

14. Certification

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by Cities Service Company and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

8-23-82
Date

Elmer W. Startz
Elmer W. Startz, Region Operations Manager



ALLENS ENGINEERING OF RICHFIELD, UTAH
Has in accordance with a request from
for CITIES SERVICE COMPANY OF MIDLAND, TEXAS
determined the location of Federal A #2
to be 2300' F.W.L. and 2550' F.S.L. of Section 27
Township 35 So. Range 1 East of Salt Lake Base and
Meridian Garfield County, Utah.

I hereby certify that this plat is an
accurate Representation of a correct
survey showing the location of
CITIES SERVICE CO. Federal A #2

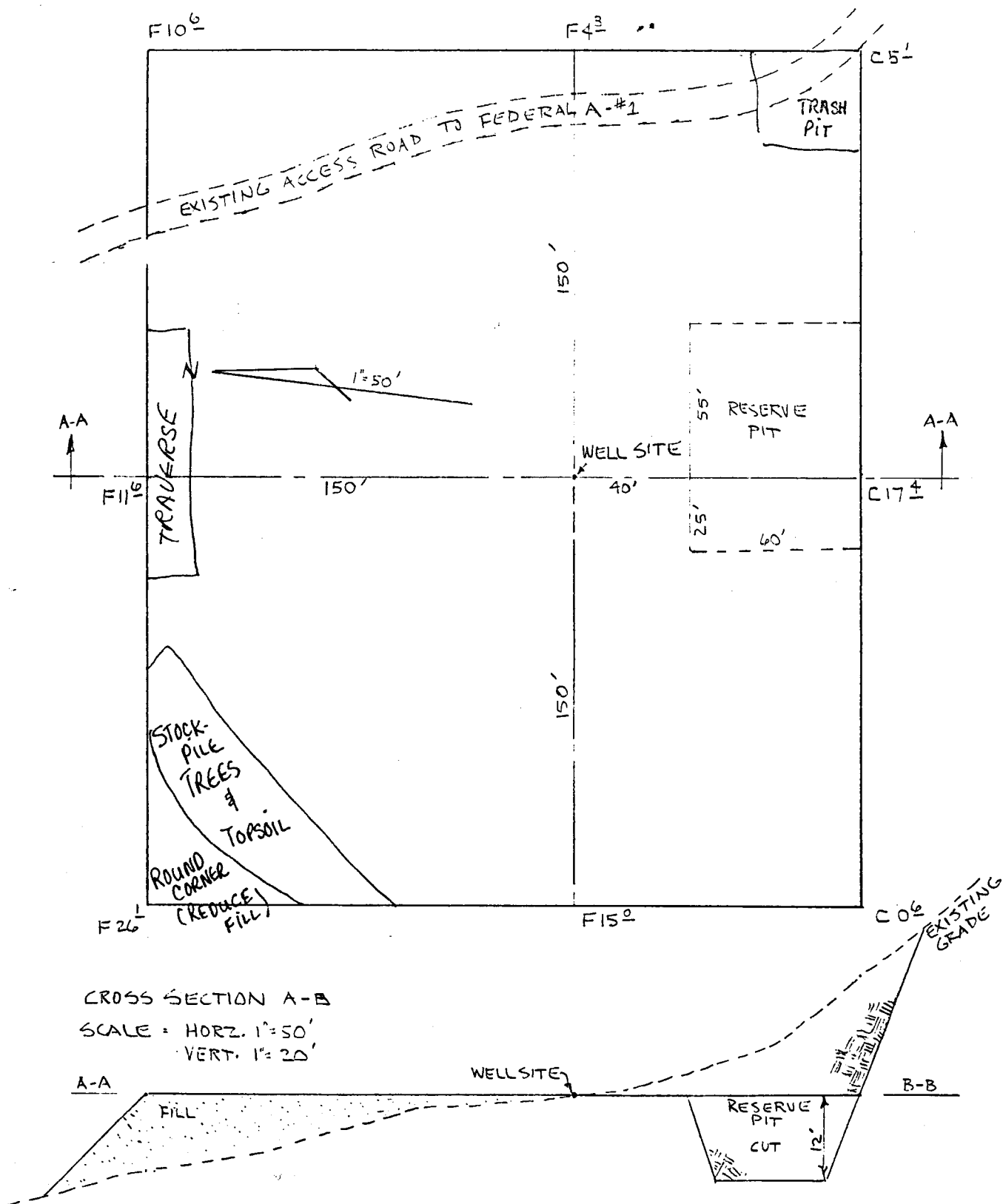
Date

8/17/82

State of Utah Licensed Land Surveyor No. 3263

Rowan M. Butler

EXHIBIT "G" - Drill Pad Layout, Production Facil. & Cut-Fill Cross Section



Allen's ENGINEERING

RICHFIELD, UTAH 84701

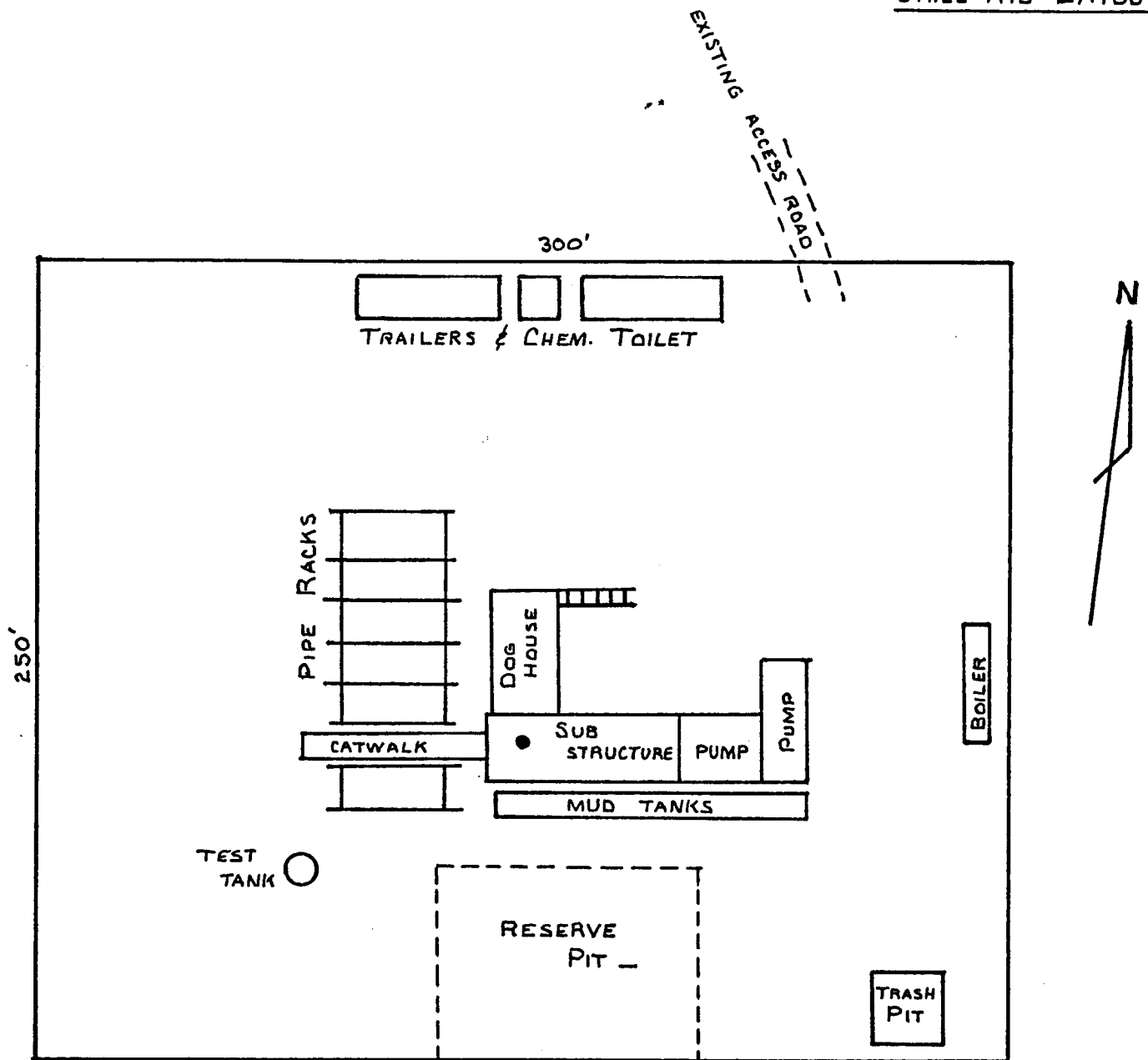
ALLEN K. NIELSEN, P.E. 3811

896-4391

TITLE **EXHIBIT "G" - Drill Pad Layout & Cross Section**
 PROJECT **Location Federal A #2**
 OWNER **Cities Service Co.**
 LOCATION **NE 1/4 SW 1/4 Sec. 27, T35S, R1E, SLB&M**

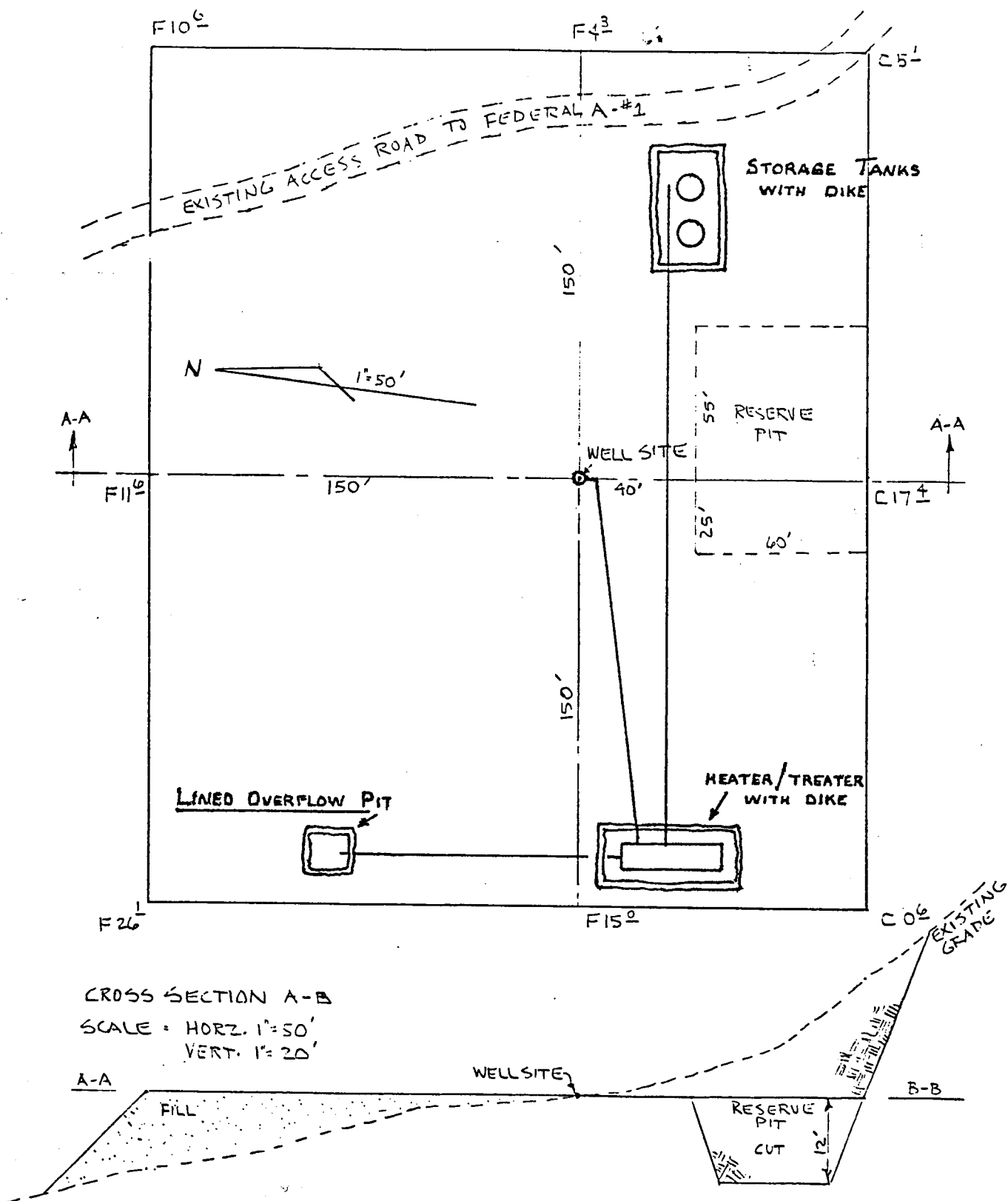
EXHIBIT "H"

DRILL RIG LAYOUT



Cities Service Company's
Federal A No. 2
2550' FSL & 2300' FWL
Section 27-T35S-R1E
Garfield County, Utah
Lease #U-33917

EXHIBIT "I"
Production Facilities Layout



Allen's ENGINEERING

RICHFIELD, UTAH 84701

ALLEN K. NIELSEN, P.E. 3811

896-4391

TITLE Exhibit "I", Production Facilities Layout

PROJECT Location Federal A #2

OWNER Cities Service Co.

LOCATION NE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 27, T35S, R1E, SLB&M

—submit in Triplicate —

Rule 30 CFR 221.20 requires well shall not be drilled closer than 200 ft. from the lease boundary or 200 ft. from any legal sub-division without adequate reasons or consent.

MINERALS MANAGEMENT
SERVICE
OIL & GAS OPERATIONS
RECEIVED
SEP 16 1982
SALT LAKE CITY, UTAH

District Oil and Gas Engineer
U. S. Geological Survey
Conservation Division
8440 Federal Building
Salt Lake City, Utah 84138

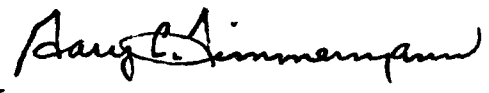
Re: Stipulation

Dear Sir:

Cities Service Company is the owner of U. S. Oil and Gas Lease U-33917, and proposes to drill a well on the leased premises to test for oil and gas at a location in the NE 1/4, NE 1/4, SW 1/4 Section 27, T.35S, R.1E, Salt Lake Mer., Garfield County, State of Utah, 2550' from South line and 2300' from West line of Section 27.

Section 221.20 of the Federal Oil and Gas Regulations requires that no well be drilled less than 200' from the boundary of any legal subdivision without the written consent of the Supervisor, United States Geological Survey. The proposed location is approximately 90' from the North boundary line of the NE 1/4, SW 1/4 of Section 27, but is considered to be necessary because of the existing topography and to minimize disturbance and damage of the surface. Therefore, Cities Service Company, Lessee, requests the consent to the Supervisor to the drilling of the proposed well at the above-described location. In consideration of such consent, Cities Service Company, Lessee, hereby expressly covenants and agrees that he will make no separate assignments of the NE 1/4, SW 1/4 and the SE 1/4, NW 1/4, Section 27, T.35S, R.1E, Salt Lake Mer., and that he will keep the two described subdivisions under joint assignment until the above-mentioned well has been plugged and abandoned with the approval of the Supervisor.

Very truly yours,

for 
Elmer W. Startz
Region Operations Manager
Southwest Region
E&P Division

Operator



STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

October 4, 1982

Cities Service Company
P. O Box 1919
Midland, Texas 79702

Gentlemen:

Our records indicate you have filed federal application for permit to drill Well No. Federal A-2 but have not yet filed application with the State of Utah. Applications must receive State approval in addition to federal approval in order to commence drilling.

Please provide the necessary application for permit to drill, or otherwise advise on the status of the permit. A copy of the federal application with attachments and cover letter is acceptable.

Respectfully,

Norm Stout
Administrative Assistant

NS/as

RECEIVED

OCT 12 1982

**DIVISION OF
OIL, GAS & MINING**

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Company Citis Service Company Well No. A-2
Location Sec. 27, T. 35S, R. 1E Lease No. U-33917

A COPY OF THESE CONDITIONS SHOULD BE FURNISHED YOUR
FIELD REPRESENTATIVE TO INSURE COMPLIANCE

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (30 CFR 221), and the approved plan of operations. The operator is considered fully responsible for the actions of his subcontractors. The following items are emphasized:

1. There shall be no deviation from the proposed drilling and/or workover program as approved. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 30 CFR 221.22. Any changes in operations must have prior approval of this office. Pressure tests are required before drilling out from under all casing strings set and cemented in place. Blowout preventer controls must be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily to insure good mechanical working order, and this inspection recorded on the daily drilling report. Preventers will be pressure tested before drilling casing cement plugs. All BOP pressure tests must be recorded on the daily drilling report.
2. All shows of fresh water and minerals will be reported and protected. A sample will be taken of any water flows and furnished this office for analysis. All oil and gas shows will be adequately tested for commercial possibilities, reported and protected.
3. No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of this office. If operations are to be suspended, prior approval of this office must be obtained and notification given before resumption of operations.

In the event abandonment of the hole is desired, an oral request may be granted by this office, but must be timely followed within 15 days with a "Notice of Intention to Abandon" (form 9-331). Unless the plugging is to take place immediately upon receipt of oral approval, the District Supervisor must be notified at least 48 hours in advance of the plugging of the well in order that a representative may witness plugging operation. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (form 9-331) must be submitted within 15 days after the actual plugging of the well bore, reporting where the plugs were placed, and the current status of the surface restoration. If surface restoration has not been completed at that time, a follow-up report on form 9-331 should be filed when all surface restoration work has been completed and the location is considered ready for final inspection.

OPERATOR.

4. The spud date will be reported orally to the District Supervisor's office within 48 hours after spudding. If the spudding occurs on a weekend or holiday, wait until the following regular workday to make this report.

Periodic drilling progress reports must be filed directly with the District Supervisor's office on a frequency and form or method as may be acceptable to the District Supervisor.

In accordance with NTL-1, this well must be reported on Form 9-329 "Monthly Report of Operations," starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report should be filed, in duplicate, directly with the U.S. Geological Survey Accounting, P.O. Box 2859, Casper, Wyoming 82602.

Any change in the program must be approved by the District Supervisor. "Sundry Notices and Reports on Wells" (form 9-331) must be filed for all changes of plans and other operations in accordance with 30 CFR 221.58. Emergency approval may be obtained orally, but such approval does not waive the written report requirement. Any additional construction, reconstruction, or alteration of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground will require the filing of a suitable plan pursuant to NTL-6, and prior approval by the District Supervisor.

5. Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (form 9-330) will be submitted not later than 15 days after completion of the well or after completion of operations being performed, in accordance with 30 CFR 221.59. Two copies of all logs run, core descriptions, core analyses, well-test data, geologic summaries, sample descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with form 9-330. Samples (cuttings, fluid, and/or gas) will be submitted only when requested by this office.

6. Significant surface values (are) ~~involved~~ involved at this location. Accordingly, you must ~~(must)~~ notify the Surface Management Agency at least (48) ~~(48)~~ hours prior to commencing field operations to allow the Surface Management Agency office to have personnel present for consultation during the construction of roads and locations.

The Surface Management Agency contact
Office Phone: (801) 826-4221,
City: Escalante,

is: Dave Dallison
Home Phone: _____
State: Utah

The Minerals Management Service office address and contacts are:

Address: 2000 Administration Building, 1745 West 1700 South, SLC, Utah 84104-3884

Office Phone: (801) 524-4590

District Supervisor E. W. Guynn

Home Phone: (801) 582-7042

District Drilling Engineer W. P. Martens

Home Phone: (801) 466-2780

District Production Engineer R.A. Henricks

Home Phone: (801) 484-2294

Staff Engineer A.M. Raffoul

Home Phone: (801) 484-2638

1. SURFACE OPERATING STANDARDS

Unless otherwise specified herein, construction and maintenance of surface facilities approved under this plan shall be in accordance with the guidelines set forth in the BLM/FS/GS Oil and Gas Brochure entitled, "Surface Operation Standards for Oil and Gas Exploration and Development." This includes but is not limited to such items as road construction and maintenance, handling of top soil and rehabilitation.

8. If a replacement rig is contemplated for completion operations, a "Sundry Notice" to that effect must be filed, for prior approval of the District Supervisor, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.
9. Pursuant to NTL-2B requirements regarding disposal facilities for new wells, this is authorization for unlined pit disposal of the water produced from this well for a period of 90 days from the date of initial production for sales purposes. During this period, an application for approval of the permanent disposal method, along with the required water analysis and other information must be submitted for the District Supervisor's approval. Failure to timely file an application within the time allowed will be considered an incident of noncompliance, and will be grounds for issuing a shut-in order until the application is submitted.
10. This permit is valid for a period of one year from the date of approval. If construction does not commence within 90 days from approval, the operator must contact the Surface Management Agency 15 days prior to beginning construction. Construction under adverse conditions may require additional stipulations. If the permit terminates, any surface disturbance created under the application must be rehabilitated in accordance with the approved plan. After termination, it is required that a new application be filed for approval for any future operations.
11. If a tank battery is constructed on this lease, it must be surrounded by a fire wall of sufficient capacity to adequately contain the storage capacity of the battery.

12. This Application for Permit to Drill is approved subject to the requirement that, should the well be successfully completed for production, this office must be notified when it is placed in a producing status. Such notification will be by telegram or other written communication, and must be received in this office by not later than the first business day next following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:

- a. Operator name, address and telephone number.
- b. Well name and number.
- c. Well location (1/4, 1/4, Section, Township, Range and Prime Meridian).
- d. Date well was placed in a producing status.
- e. The nature of the well's production, i.e. crude oil, or crude oil and casinghead gas, or natural gas and entrained liquid hydrocarbons.
- f. The OCS, Federal or Indian lease prefix and number on which the well is located. Otherwise, the non-Federal or non-Indian land category, i.e. State or private.
- g. If appropriate, the unit agreement name, number and participating area name.
- h. If appropriate, the communitization agreement number.

13. _____

SUPPLEMENTAL STIPULATIONS OF APPROVAL ATTACHED

Cities Service Company
Well No. A-2
Section 27, T.35S., R.1E.
Garfield County, Utah
Lease U-33917

Supplemental Stipulations

- 1) Construction and rehabilitation of the wellsite will be coordinated with the U. S. Forest Service.
- 2) The Northwest corner of the pad will be rounded off to minimize the large fill in that area.
- 3) The trash burning pit will be located on the South side of the pad in cut material.
- 4) Topsoil and cleared material will be located off the Northwest side of the pad below the berm.
- 5) The access road may be closed to the Public to limit access to the region.
- 6) The operator will be responsible for the disposal of all litter and foreign matter brought into the area.
- 7) Any permanent production equipment will be painted a color to blend in with the surroundings.
- 8) Adequate and sufficient electric/radioactives logs will be run to locate and identify anticipated coal beds in the Straight Cliffs formation. Please also provide two copies of drilling logs. Casing and cementing programs will be adjusted to eliminate any potential influence of the well bore or productive hydrocarbon zones on the coal resource. Surface casing program may require adjustment for protection of fresh water aquifers.

ADDITIONAL STIPULATIONS FOR PRODUCTION FACILITIES

Your Application for Permit to Drill also included a submittal for production facilities. These production facilities are approved for the lessee and his designated operator under Section 1 of the Oil and Gas Lease with the following conditions:

- (1) The oil and gas measurement facilities must be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy are to be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. Please provide this office with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports are to be submitted to the Salt Lake City District Oil and Gas Supervisor. Royalty payments will be made on all production volume as determined by the meter measurements or the tank measurements. All measurement facilities must conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.
- (2) Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried from the wellhead to the meter and 500 feet downstream of the meter run or any production facilities. Meter runs must be housed and/or fenced.
- (3) All disturbed areas not required for operations will be rehabilitated.
- (4) All produced liquids must be contained including the dehydrator vent/condensate line effluent. All production pits must be fenced.
- (5) The well activity, the well status and the date the well is placed on production must be reported on Lessee's Monthly Report of Operations, Form 9-329.
- (6) All off-lease storage, off-lease measurement, or commingling on lease or off-lease must have written approval.
- (7) All product lines entering and leaving hydrocarbon storage tanks must be locked/sealed.
- (8) You are reminded of the requirements for handling, storing, or disposing of water produced from oil and gas wells under NTL-2B.
- (9) All materials, trash, junk, debris, etc. not required for production must be removed from the well site and production facility site at the completion of these operations.
- (10) A copy of the Gas Sales Contract will be provided to this office and the Royalty Accounting Department as directed.
- (11) Construction and maintenance for surface use approved under this plan should be in accordance with the surface use standards as set forth in the BLM/GS Oil and Gas Brochure entitled, "Surface Operating Standards for Oil and Gas Exploration and Development." This includes, but is not limited to, such items as road construction and maintenance, handling of top soil and rehabilitation.
- (12) "Sundry Notice and Reports on Wells" (form 9-331) will be filed for all changes of plans and other operations in accordance with 30 CFR 221.58. Emergency approval may be obtained verbally, but such approval does not waive the written report requirement. Any additional construction, reconstruction, or alternations of facilities, including roads, gathering lines, batteries, measurement facilities, etc., will require the filing of a suitable plan and prior approval by the survey.

Requested 660' radius lease
info as per telecomm
10-13-92 with Francis
Bland who said she
would advise Startz.

Yparr

Startz returned call
and said he would send
lease plat.

Yparr 10-13-92

Elvior or Larry Immermann⁽⁵⁰²⁰⁾
when approved

OPERATOR CITIES SERVICE CO

DATE 10-13-82

WELL NAME FED A-2

SEC NESW 27 T 35S R 1E COUNTY GARFIELD

43-017-30116
API NUMBER

FED
TYPE OF LEASE

POSTING CHECK OFF:

☒ INDEX

☐ HL

☐

☒ NID

☐ PI

☐

☒ MAP

☐

☐

PROCESSING COMMENTS:

Fed stipulation for exception location is not sufficiently clear
for 660' lease control to East, therefore c-3-c data must
be requested - 10-17-82 Data rec'd 10-18-82
RJE. ✓

APPROVAL LETTER:

SPACING: ☐ A-3 UNIT

☐ c-3-a CAUSE NO. & DATE

☐ c-3-b

☒ c-3-c

SPECIAL LANGUAGE:

☒ RECONCILE WELL NAME AND LOCATION ON APD AGAINST SAME DATA ON PLAT MAP.

☒ AUTHENTICATE LEASE AND OPERATOR INFORMATION *FED*

☒ VERIFY ADEQUATE AND PROPER BONDING *FED*

☒ AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

☒ APPLY SPACING CONSIDERATION

☐ ORDER *ND*

☐ UNIT *ND*

☐ c-3-b

☒ c-3-c

☒ OUTSTANDING OR OVERDUE REPORTS FOR OTHER WELLS OF THE OPERATOR.

☒ IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER *NO*



CITIES SERVICE COMPANY
ENERGY RESOURCES GROUP

Box 1919
Midland, Texas 79702
(915) 685-5600

October 13, 1982

State of Utah
Mr. Norm Stout - Holding File
Division of Oil, Gas and Mining
4241 State Office Building
Salt Lake City, Utah 84114

Re: Unorthodox Location
Cities Service Company
Federal A #2
NE SW Sec 27, T35S, R1E
Garfield County, Utah

RECEIVED
OCT 18 1982
DIVISION OF
OIL, GAS & MINING

Dear Mr. Stout:

Cities Service Company is the owner of U.S. Oil and Gas Lease U-33917 covering all of Section 22 and 27 and NE 1/4 of Section 28, T35S, R1E Garfield County, Utah. Attached are documents to substantiate the lease. Cities Service Company proposes to drill a well on the leased premises to test for oil and gas at a location in the NE 1/4 NE 1/4, SW 1/4 Section 27, T35S, R1E, Salt Lake Principal Mer., Garfield County, State of Utah, -- 2550' from South Line and 2300' from West Line of Section 27.

Cities Service respectfully requests exception to this unorthodox location because of geological reasons and to minimize surface disturbance because of topography. Cities Service controls all the offsetting acreage and especially within a 660 foot radius as shown by the attached lease documents. Cities Service drilled the Federal A #1 in NE NE Sec 27, T35S, R1E Garfield County, Utah in 1981 and the geologic information obtained from this well and subsequent seismograph work resulted in this being the best possible geological subsurface structural location for the Federal A No. 2.

Please advise if additional information is needed.

Respectfully yours,

Elmer Startz

Elmer Startz
Region Operations Manager
Southwest Region
E & P Division

R 1 E

Location of Existing Wells

T
35
S

BIRCH

CREEK

VALLEY

CSC
Federal A

Lease # U-33917

TENNECO
37-UVU



CSC ACREAGE

CITIES SERVICE COMPANY
FEDERAL A No. 2
NE SW SEC 27, T35S, R1E
GARFIELD CO., UTAH
LEASE No. U-33917

GARFIELD COUNTY, UTAH

McCORMICK KENDELL

Oil, Gas and Minerals

Sonja V. McCormick
Patricia V. Kendell

September 15, 1982

Cities Service Company
P. O. Box 1919
Midland, Texas 79702

Attention: Mr. Danny Kidwell
Landman

Re: STATUS REPORT
Up-Dated Report from April 25, 1980 to Date
USA Federal Oil and Gas Lease Utah 33917
Section 27: All, T. 35 S., R. 1 E., SLM
Garfield County, Utah
Cities Service Company File: 1-01X6-4300913
North Upper Valley

Dear Mr. Kidwell:

Pursuant to your request, I have checked the plat books, historical index, serial register page, case file and other available records in the Utah Land and Survey Office of the Bureau of Land Management, Salt Lake City, Utah, in connection with the above set forth oil and gas lease and the lands currently embraced thereby.

Subject status report covers the following-described lands:

Township 35 South, Range 1 East, S.L.M.

Section 27: All

As of this date, the status of subject lease is as follows:

Lease Number:	Utah 33917
Current Lessee:	Cities Service Company P. O. Box 300 Tulsa, Oklahoma 74102
Description:	<u>Township 35 South, Range 1 East, S.L.M.</u> Section 22: All Section 27: All Section 28: NE $\frac{1}{4}$
Total Acres:	1,457.05
Lease Date:	September 1, 1976 (10 year lease won on June, 1976 Simultaneous Oil and Gas Drawing)

Cities Service Company
September 15, 1982
Page 2

Current Status of Lease (continued)

Stipulations:

1. Surface Occupancy
2. Stipulation for Lands under
Jurisdiction of Department of
Agriculture
3. Surface Disturbance

Outstanding

Overriding Royalty:

3% of 8/8ths - Gerald E. Nielson and
Leila Ruth Nielson, wife
3737 Honeycut Road
Salt Lake City, Utah 84106

3% of 8/8ths - TOTAL OUTSTANDING
OVERRIDING ROYALTY OF RECORD

MINING CLAIMS

According to the records of the Bureau of Land Management, no unpatented mining claims have been registered with it pursuant to the Federal Land Policy Management Act of 1968.

RENTALS

Rentals are current on said lease, 1982-1983 rental payment was received by the Bureau of Land Management August 19, 1982 in the amount of \$729.00.

Cities Service Company
September 15, 1982
Page 3

Attached herewith is copy of Application for Permit to Drill,
the only instrument filed in case file since April 25, 1980.

CERTIFICATION

This report does not cover any instruments filed but not of record
as of this date, nor does it cover any valid rights of persons in possession
or any other matters not ascertainable from an examination of the above set
forth examined records.

Respectfully submitted,


Sonja V. McCormick

Enclosures

Legal Reference		File Code	Serial Number
OG		3112	U 33917
Name and Mailing Address			
Gerald E. Nielson, 3737 Honeycut Rd., Salt Lake City, UT 84106 Cities Service Co., Box 300, Tulsa, OK 74102			
Description of Land			
T 35 S, R 1 E, SL Mer, UT Secs 22 and 27, All; Sec 28, NE $\frac{1}{4}$.			
1,457.05 A		Garfield Co.	
DATE OF ACTION	ACTION TAKEN		
AUG 13 1976 10/4/76	10-Year Lease issued effective 1 SEP 1976 Assignment approved eff. 10/1/76 3% of 8/8ths		

RIO
MENT

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 42-R1599

Serial No. U-33917

ASSIGNMENT AFFECTING RECORD TITLE
TO OIL AND GAS LEASE
PART I

LAND OFFICE USE ONLY
New Serial No.

CITIES SERVICE COMPANY

P.O. BOX 300

Tulsa, Oklahoma 74102

The undersigned, as owner of 100 percent of record title of the above-designated oil and gas lease issued effective (date) September 1, 1976, hereby transfers and assigns to the assignee shown above, the record title interest in and to such lease as specified below.

2. Describe the lands affected by this assignment (43 CFR 3101 2-3)

Township 35 South, Range 1 East - Garfield County, Utah

Section 22: ALL

Section 27: ALL

Section 28: NE/4

Containing 1,457.05 acres, more or less

3. What part of assignor(s) record title interest is being conveyed to assignee? (Give percentage or share) 100%

4. What part of the record title interest is being retained by assignor(s)? None

5a. What overriding royalty or production payments is the assignor reserving herein? (See Item 4 of General Instructions; specify percentage.) 3% 8/8

b. What overriding royalties or production payments, if any, were previously reserved or conveyed? (Percentage only) None

It is agreed that the obligation to pay any overriding royalties or payments out of production of oil created herein, which, when added to overriding royalties or payments out of production previously created and to the royalty payable to the United States, aggregate in excess of 17½ percent, shall be suspended when the average production of oil per well per day averaged on the monthly basis is 15 barrels or less.

I CERTIFY That the statements made herein are true, complete, and correct to the best of my knowledge and belief and are made in good faith.

Executed this 17th day of August, 1976

Gerald E. Nielson

(Assignor's Signature)

Gerald E. Nielson

3737 Honeycut Road

(Assignor's Address)

Lella Ruth Nielson

Lella Ruth Nielson - Wife

Salt Lake City Utah

(City)

(State)

84106

(Zip Code)

Title 18 U.S.C., Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious, or fraudulent statements or representations as to any matter within its jurisdiction.

THE UNITED STATES OF AMERICA

Assignment approved as to the lands described below:

Assignment approved effective _____ By _____
(Authorized Officer)

(Title)

(Date)

NOTE: This form may be reproduced provided that copies are exact reproductions on one sheet of both sides of this official in accordance with the provisions of 43 CFR 3106

PART II

ASSIGNEE'S REQUEST FOR APPROVAL OF ASSIGNMENT

A. ASSIGNEE CERTIFIES THAT

1. Assignee is over 21 years of age
2. Assignee is a citizen of the United States
3. Assignee is ☐ Individual ☐ Municipality ☐ Association ☐ Corporation
4. Assignee is the sole party in interest in this assignment (*information as to interests of other parties in this assignment must be furnished as prescribed in Specific Instructions*)
5. Filing fee of \$10 is attached (*see Item 2 of General Instructions*)
6. Assignee's interests, direct and indirect, do not exceed 200,000 acres in oil and gas options, or 246,080 chargeable acres in options and leases in the same state, or 300,000 chargeable acres in leases and options in each leasing district in Alaska.

B. ASSIGNEE AGREES to be bound by the terms and provisions of the lease described here, provided the assignment is approved by the Authorized Officer of the Bureau of Land Management.

C. IT IS HEREBY CERTIFIED That the statements made herein are true, complete, and correct to the best of undersigned's knowledge and belief and are made in good faith.

Executed this _____ day of _____, 19____

(Assignee's Signature)

(Address, include zip code)

Title 18 U.S.C., Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious, or fraudulent statements or representations as to any matter within its jurisdiction.

GENERAL INSTRUCTIONS

1. *Use of form* — Use only for assignment of record title interest in oil and gas leases. *Do not use for assignments of working or royalty interests, operating agreements, or subleases.* An assignment of record title may only cover lands in one lease. If more than one assignment is made out of a lease, file a separate instrument of transfer with each assignment.
2. *Filing and number of copies* — File three (3) completed and manually signed copies in appropriate land office. A \$10 nonrefundable filing fee *must* accompany assignment. File assignment within ninety (90) days *after* date of final execution.
3. *Effective date of assignment* — Assignment, if approved, takes effect on the first day of the month following the date of filing of *all* required papers.
4. *Overriding royalties or payments out of production* — Describe in an accompanying statement any overriding royalties or payments out of production created by assignment but not set out therein. If payments out of production are reserved by assignor, outline in detail the amount, method of payment, and other pertinent terms.
5. *Effect of Assignment* — Approval of assignment of a definitely described portion of the leased lands creates separate leases. Assignee, upon approval of assignment, becomes lessee of the Government as to the assigned interest and is responsible for complying with *all* lease terms and conditions, including timely payment of annual rental and maintenance of any required bond; *except* in the case of assignment of undivided interests, royalties, and operating agreements.
6. A copy of the executed lease, out of which this assignment is made, should be made available to assignee by assignor.

SPECIFIC INSTRUCTIONS

(Items not specified are self-explanatory)

PART I

Item 1 — Type or print plainly, in ink, between and below heavy dots, the assignee's full name and mailing address, including zip code.

PART II

A. Certification of assignee

3. If assignee is an association or partnership, assignee *must* furnish a certified copy of its articles of association or partnership, with a statement that (a) it is authorized to hold oil and gas leases; (b) that the person executing the assignment is authorized to act on behalf of the organization in such matters; and (c) names and addresses of members controlling more than 10% interest.

If assignee is a corporation, it *must* submit a statement containing the following information: (a) State in which it was incorporated; (b) that it is authorized to hold oil and gas leases; (c) that officer executing assignment is authorized to act on behalf of the corporation in such matters; and (d) percentage of voting stock and percent _____ of all stock owned by

aliens or those having addresses outside the United States. If 10 percent or more of the stock of any class is owned or controlled by or on behalf of any one stockholder, a separate showing of his citizenship and holdings *must* be furnished.

If evidence of qualifications and ownership has previously been furnished as required by the above, reference by serial number of record in which it was filed together with a statement as to any amendments. Qualifications of assignee *must* be in full compliance with the regulations (43 CFR 3102).

4. *Statement of interests* — Assignee *must* indicate whether or not he is the sole party in interest in the assignment; if not, assignee *must* submit, at time assignment is filed, a signed statement giving the names of other interested parties. If there are other parties interested in the assignment, a separate statement *must* be signed by each and assignee giving the nature and extent of the interest of each, the nature of agreement between them, if oral; and a copy of agreement, if written. *All* interested parties *must* furnish evidence of their qualifications to hold such lease interests. Separate statements and written agreements, if any, *must* be filed no later than fifteen (15) days after filing assignment.

October 19, 1982

Cities Service Company
P. O. Box 1919
Midland, Texas 79702

RE: Well No. Federal A-2
NESW Sec. 27, T. 35S, R. 1E
Garfield County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to oil well on said unorthodox location is hereby granted in accordance with Rule C-3(c), General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

RONALD J. FIRTH - Engineer
Office: 533-5771
Home: 571-6068

OR

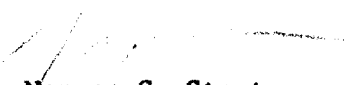
CLEON B. FEIGHT - Director
Office: 533-5771
Home: 466-4455

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-017-30116.

Sincerely,


Norman C. Stout
Administrative Assistant

NCS/as
cc: Minerals Management Service
Enclosure

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☒ well ☐ gas well ☐ other
2. NAME OF OPERATOR
Cities Service Company
3. ADDRESS OF OPERATOR
P.O. Box 1919, Midland, Texas 79702
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 2550' FSL & 2300' FWL (NE SW)
AT TOP PROD. INTERVAL: Same as above
AT TOTAL DEPTH: Same as above
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

- TEST WATER SHUT-OFF ☒
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐
(other) ☐

SUBSEQUENT REPORT OF:

- ☐
☐
☐
☐
☐
☐
☐
☐
☐
☐

NOV 22 1982
DIVISION OF
OIL, GAS & MINING

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

TD 3108' Sand. Prep to drill ahead. Moved in, rigged up rotary and spudded a 20" hole on 10-25-82 and drilled to a TD of 200' in Red Beds. Ran and set 5 jts. (186') 62.5# 16" line pipe @ 200'. Cemented w/250 sacks Class B w/2% CaCl₂. PD @ 2050 MDT 10-29-82. Cement circulated WOC 18 hours. Drilled a 14-3/4" hole to a TD of 3108' in sand. Ran and set 77 jts. (3091.27') of 8-5/8" 32 and 24# K-55 casing @ 3106'. Cemented 2517' of 2-1/16" parasite string wrap welded to outside of casing w/inlet into casing @ 2518' w/1770 sacks Class B cement w/25#/sack Gilsonite & 1/2#/sack flocele. Tailed in w/300 sacks Class H w/1/4#/sack Flocele and 2% CaCl₂. PD @ 0505 MDT 11-10-82. Cement circulated. Circ. through parasite string both before and after cementing. WOC 18 hours. Cut off casing, NU wellhead.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Elmer Startz TITLE Reg. Opr. Mgr. - Prod. DATE November 15, 1982

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

NOTICE OF SPUD

file

Company: Cities Service Co

Caller: Ed Wilber (Midland, TX)

Phone: _____

Well Number: "A" 2

Location: NE SW 27-35S-1E

County: Garfield State: Utah

Lease Number: U-33917

Lease Expiration Date: —

Unit Name (If Applicable): —

Date & Time Spudded: OCT 26, 1982

Dry Hole Spudder/Rotary: _____

Details of Spud (Hole, Casing, Cement, etc.) _____

Rotary Rig Name & Number: Drapahol #4

Approximate Date Rotary Moves In: _____

FOLLOW WITH SUNDRY NOTICE

Call Received By: WPM

Date: 12-20-82

State oil 46951

Vernal mms

Teresa

Diane

File

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well ☐ gas well ☐ other ☐ Dry Hole

2. NAME OF OPERATOR
Cities Service Company

3. ADDRESS OF OPERATOR
P.O. Box 1919 - Midland, Texas 79702

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 2550' FSL & 2300' FWL (NE SW)
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH: Same as above

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

5. LEASE U-33917	
6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
7. UNIT AGREEMENT NAME	
8. FARM OR LEASE NAME Federal A	
9. WELL NO. 2	
10. FIELD OR WILDCAT NAME Wildcat	
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 27-T35S-R1E	
12. COUNTY OR PARISH Garfield	13. STATE Utah
14. API NO.	
15. ELEVATIONS (SHOW DF, KDB, AND WD) 7367.8' GR	

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>
ABANDON*	<input checked="" type="checkbox"/>
(other)	

SUBSEQUENT REPORT OF

11/10/60

DEC

DIVIS

DEC 23 1982 (NO)

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

DIVISION OF
GAS & MINING

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

T.D. 7400' Dolomite. It is proposed to plug and abandon this well in the following manner:

1. RIH w/open ended drill pipe to a T.D. of 7400' and C&CH until hole is stable. Notify USGS prior to plugging.
2. Spot a 50 sack cement plug @ approx. 7286 - 7136', across the top of the Kaibab Formation. LDDP to 6333'.
3. Spot a 50 sack cement plug @ approx. 6333 - 6183', across the top of the Moenkapi Formation. LDDP to 5475'.
4. Spot a 50 sack cement plug @ approx. 5475 - 5325', across the top of the Wingate Formation. LDDP to 4350'.
5. Spot a 75 sack cement plug @ approx. 4350 - 4150', in the Navajo Section. LDDP to 3181'.

(Continued on back)

Subsurface Safety Valve: Manu. and Type _____ **Set @** _____ **Ft.**

18. I hereby certify that the foregoing is true and correct

SIGNED Elmer Startz TITLE Reg. Opr. Mgr. - DATE 12-20-82 Prod.

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
 CONDITIONS OF APPROVAL, IF ANY: _____
 OF UTAH DIVISION OF _____

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 12/13/81
BY: D. J. H.
verse Size

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.5.

4

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input checked="" type="checkbox"/> Other _____				5. LEASE DESIGNATION AND SERIAL NO. U-33917	
b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other _____				6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Cities Service Company				7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P.O. Box 1919 - Midland, Texas 79702				8. FARM OR LEASE NAME Federal A	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 2550'FSL & 2300'FWL At top prod. interval reported below At total depth Same as above				9. WELL NO. 2	
14. PERMIT NO. 43-017-30116 DATE ISSUED				10. FIELD AND POOL, OR WILDCAT Wildcat	
15. DATE SPUNDED 10-25-82 16. DATE T.D. REACHED 2-20-82 17. DATE COMPL. (Ready to prod.) Plugged & Abandoned 18. ELEVATIONS (DF, RKB, RT, OR, ETC.)* 7368' GR 19. ELEV. CASINGHEAD				11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 27-T35S-R1E	
20. TOTAL DEPTH, MD & TVD 7400' 21. PLUG, BACK T.D., MD & TVD 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY ROTARY TOOLS 0 - T.D. 7400' CABLE TOOLS				12. COUNTY OR PARISH Garfield 13. STATE Utah	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*				25. WAS DIRECTIONAL SURVEY MADE No	
26. TYPE ELECTRIC AND OTHER LOGS RUN BHC Sonic, DII SFL - Deviation Survey				27. WAS WELL CORDED No	
28. CASING RECORD (Report all strings set in well)					
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)	
16"		62.5#		200'	
8-5/8"		24 & 32#		3106'	
HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED	
20"		250 sacks		Circulated	
14-3/4"		2070 sacks		Circulated	
29. LINER RECORD					
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	
30. TUBING RECORD					
SIZE	DEPTH SET (MD)	PACKER SET (MD)			
31. PERFORATION RECORD (Interval, size and number)					
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.					
DEPTH INTERVAL (MD)			AMOUNT AND KIND OF MATERIAL USED		
33.* PRODUCTION					
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Plugged and Abandoned			WELL STATUS (Producing or shut-in)
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)					TEST WITNESSED BY
35. LIST OF ATTACHMENTS Above listed logs and Deviation Survey					
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records					
SIGNED <u>Elmer Startz</u>		TITLE <u>Reg. Opr. Mgr. - Prod.</u>		DATE <u>1-12-83</u>	

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 83, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 33.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:
SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
DST #1 7233 - 7283'			No BH choke. Top choke 1/8" blow hose. Lacked 30' of getting to btm w/tst tools. Opened tool 9 times & worked to btm. 15 min IF w/surface press increasing from good blow to 2 psig in 15 min. Opened tool for 2 hr. flow period w/press increasing from 13 ounces to 2-1/4 psig in 20 min, gradually decreasing to 6 ounces in remaining 100 min. Rec. 3729' (53 barrels) of water cut mud. Sample chamber @ 7202' contained water cut mud 8000 ppm chlorides, no oil, no gas @ zero press. Chlorides in fluid rec in drill pipe 3900 ppm @ top, 3850 ppm in middle & 9200 ppm @ btm. BHP recorders @ 7210' & 7280' were both unreadable due to working test tool thru 30' of fill to btm.

38. GEOLOGIC MARKERS

NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Navajo	3332'	
Kayenta	4998'	
Wingate	5400'	
Chinle	5700'	
Shinarump	6112'	
Moenkopi	6258'	
Timpoweap	7076'	
Kaibab	7211'	
White Rim	7350'	
	T.D. 7400'	

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well ☐ gas well ☐ other Dry Hole
2. NAME OF OPERATOR
Cities Service Company
3. ADDRESS OF OPERATOR
P.O. Box 1919 - Midland, Texas 79702
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 2550' FSL & 2300' FWL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH: Same as above
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

- TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐
(other) ☐

SUBSEQUENT REPORT

- ☐
☐
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RECEIVED

JAN 17 1983

DIVISION OF
OIL, GAS & MINING

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

5. LEASE
U-33917
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME
Federal A
9. WELL NO.
2
10. FIELD OR WILDCAT NAME
Wildcat
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 27-T35S-R1E
12. COUNTY OR PARISH
Garfield
13. STATE
Utah
14. API NO.
15. ELEVATIONS (SHOW DF, KDB, AND WD)
608 GR

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

T.D. 7400' Lime & Shale. This well was plugged and abandoned in the following manner:

1. RIH w/open ended DP to T.D. 7400' and circulated hole w/mud laden fluid.
2. Spotted a 50 sack cement plug @ 7284 - 7134', across the top of the Kaibab Formation. LDDP to 6325'.
3. Spotted a 50 sack cement plug @ 6325 - 6175', across the top of the Moenkopi Formation. LDDP to 5463'.
4. Spotted a 50 sack cement plug @ 5463 - 5313', across the top of the Wingate Formation. LDDP to 4353'.
5. Spotted a 75 sack cement plug @ 4353 - 4125', in the Navajo Section. LDDP to 3175'.
6. Spotted a 50 sack cement plug @ 3175 - 3025', (SEE REVERSE SIDE)

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

Prod.

SIGNED Elmer Startz TITLE Reg. Opr. Mgr. - DATE January 12, 1983

(This space for Federal or State Office Use)

APPROVED BY _____ TITLE _____
CONDITIONS OF APPROVAL, IF ANY:

ACCEPTED
APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: _____

BY: _____

*See Instructions on Reverse Side

Instructions

General: This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 17: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

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- half in and half out of the 8-5/8" casing shoe @ 3106'. LDDP.
7. Spotted a 75 sack cement plug through the 2-1/16" parasite string. Filled parasite string with cement and displaced a plug in the 8-5/8" casing @ 2518 - 2338'.
 8. Cut off WH and dumped a 10 sack cement surface plug in top of the 8-5/8" casing @ 30 - 0'. Installed a dry hole marker to designate a plugged and abandoned location. Jetted pits and cleaned location.

AFFIDAVIT

State of Texas Cities Service Company

County of Midland Lease Name Federal A Well # 2

In Sec. 27 Twp. 35S Rge. 1E

County of Garfield

State Utah

Elmer Startz of lawful age being first duly sworn deposes and

says:

That he supervises development and operation of the captioned lease and is duly qualified and authorized to make this affidavit and is fully acquainted with all facts herein set out concerning Deviation and Directional drilling.

Degrees	Depth	Degrees	Depth	Degrees	Depth
.50	464	2.00	4088	7.75	6557
1.00	773	2.25	4181	8.00	6660
2.00	1042	2.00	4273	7.25	6932
1.75	1174	4.25	4367	8.00	7024
2.00	1444	5.00	4429	8.00	7117
2.50	1538	4.50	4490		
3.00	1662	4.75	4553		
3.75	1891	4.25	4615	T.D.	7400
3.50	1982	4.00	4708		
3.00	2150	4.00	4799		
1.75	2417	4.50	4892		
2.50	2874	4.00	4985		
2.25	3108	4.00	5076		
2.75	3222	4.00	5169		
2.75	3315	4.50	5262		
3.00	3407	4.00	5305		
2.50	3469	4.00	5447		
2.50	3563	4.50	5571		
1.25	3655	4.50	5620		
.25	3748	4.50	5705		
1.00	3841	4.00	6002		
2.25	3996	3.75	6342		

Further affiant saith not.

Subscribed and sworn to before me this 12th day of January, 19 83

My Commission Expires 10-31-84 Elmer Startz Notary Public
Midland County, Texas



STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

April 6, 1983

Cities Service Company
P. O. Box 1919
Midland, Texas 79702

Re: Well No. Federal # A-2
Sec. 27, T. 35S, R. 1E.
Garfield County, Utah

Gentlemen:

According to our records, a "Well Completion Report" filed with this office January 12, 1983, from above referred to well, indicates the following electric logs were run: BHC-Sonic, DIL-SFL, Deviation Survey. As of today's date, this office has not received these logs.

Rule C-5, General Rules and Regulations and Rules of Practice and Procedure, requires that a well log shall be filed with the Commission together with a copy of the electric and radioactivity logs.

We will be happy to acknowledge receipt of your response to this notice if you will include an extra copy of the transmittal letter with a place for our signature, and a self addressed envelope for the return. Such acknowledgment should avoid unnecessary mailing of a firm second notice from our agency.

Your prompt attention to the above will be greatly appreciated.

Respectfully,

DIVISION OF OIL, GAS AND MINING

Cari Furse
Well Records Specialist

CF/cf